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TIME TABLE



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BULLETIN · UNIVERSITY OF ILLINOIS · URBANA DEPARTMENTS

SECOND SEMESTER 1969-1970

SUPPLEMENT INFORMATION ON PAGE 2

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UNIVERSITY OF ILLINOIS BULLETIN

Volume 67, Number 37; November 3, 1969. Published twelve times each month by the University of Illinois. Entered as second-class matter December 11, 1912 at the post office at Urbana, Illinois, under the Act of August 24, 1912. Office of Publication, 114 Altgeld Hall, Urbana, Illinois 61801.

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CALENDAR

Second Semester, 1969-1970

- Feb. 2, Mon.-Feb. 7, Sat.....New Student Program.
- Feb. 4, Wed., 2:30-5:00 p.m.....Preregistration (special permit required).
- Feb. 5, Thurs., 8:00 a.m.-Feb. 7, Sat., 12:00 noon.....Registration of graduate and undergraduate students.
- Feb. 7, Sat., 8:00 a.m.-12:00 noon.....Registration of commuting teachers.
- Feb. 7, Sat.....Earliest date for special examinations.
- Feb. 9, Mon., 7:00 a.m.....Instruction begins.
- Feb. 9, Mon., 4:10 p.m.....Meeting of Urbana-Champaign Senate.
- Feb. 16, Mon.....Latest date for students currently enrolled to apply for student teaching assignment in fall or spring semester 1970-1971.
- Feb. 16, Mon.....February graduation date (no Commencement Exercises).
- Feb. 19, Thurs., 5:00 p.m.....Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
- Feb. 23, Mon., 5:00 p.m.....Last date to add a new course.
- Mar. 2, Mon.....University Day (University opened, 1868; not a holiday).
- Mar. 9, Mon., 4:10 p.m.....Meeting of Urbana-Champaign Senate.
- Mar. 28, Sat., 1:00 p.m.....Spring vacation begins.
- Mar. 30, Mon.....Earliest date for one-half credit if withdrawing from the University for military service (seven weeks' instruction completed).
- April 3, Fri., 5:00 p.m.....Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
- April 3, Fri., 5:00 p.m.....Last date to withdraw from a course without penalty.
- April 6, Mon., 1:00 p.m.....Spring vacation ends.
- April 9, Thurs., 5:00 p.m.....Midsemester grades due.
- April 13, Mon., 4:10 p.m.....Meeting of Urbana-Champaign Senate.
- May 1, Fri.....Honors Day (classes dismissed at 12:00 noon).
- May 1, Fri.-May 3, Sunday.....Campus Mother's Day weekend.
- May 7, Thurs., 5:00 p.m.....Latest date to withdraw from the University without petitioning for readmission.
- May 11, Mon., 4:10 p.m.....Meeting of Urbana-Champaign Senate.
- May 12, Tues.....Earliest date for full credit if withdrawing from the University for military service (twelve weeks' instruction completed).
- May 20, Wed.....Latest date for special examinations.
- May 27, Wed.-May 28, Thurs.....Registration for 1970 summer session off-campus courses, College of Law, and registration staff, including payment of tuition and fees.
- May 29, Fri.....Last day of instruction.
- May 30, Sat.....Memorial Day (holiday).
- June 1, Mon.-June 9, Tues.....Semester examinations.
- June 1, Mon., 3:00 p.m.....Meeting of Urbana-Champaign Senate.
- June 20, Sat.....Commencement.

Eight-Week Summer Session, 1970

May 27, Wed.-May 28, Thurs.....	Registration for 1970 Summer Session off-campus courses, College of Law, and student registration staff, including payment of tuition and fees.
June 1, Mon., 3:00 p.m.....	Meeting of Urbana-Champaign Senate.
June 8, Mon.-July 15, Wed.....	First session Summer Law Program.
June 12, Fri., 5:00 p.m.....	Latest date for full refund of tuition and fees, (except nonrefundable portion) if withdrawing from first five and one-half week College of Law session. (First five days.)
June 18, Thurs., 5:00 p.m.....	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from eleven-week College of Law term. (First ten days.)
June 20, Sat.....	Earliest date for special examinations.
June 22, Mon.....	Registration.
June 23, Tues., 7:00 a.m.....	Instruction begins.
June 23, Tues.-Aug. 7, Fri.....	Advance enrollment advising for September, 1970, registration of new students.
June 24, Wed., 5:00 p.m.....	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from first five and one-half week College of Law session. (First fifteen days.)
June 29, Mon.....	Last date to add a new course.
June 29, Mon., 5:00 p.m.....	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range in eight-week session. (First five days.)
July 4, Sat.....	Independence Day (holiday).
July 16, Thurs.-Aug. 22, Sat.....	Second session Summer Law Program.
July 20, Mon.....	Beginning of second four-week courses.
July 20, Mon., 5:00 p.m.....	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from eleven-week College of Law term. (First six weeks.)
July 21, Tues., 5:00 p.m.....	Last date to withdraw from a course without penalty.
July 21, Tues., 5:00 p.m.....	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range in eight-week session. (First four weeks.)
July 21, Tues., 5:00 p.m.....	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from second five and one-half week College of Law session. (First five days.)
July 22, Wed.....	Earliest date for one-half credit if withdrawing from the University for military service (four weeks' instruction completed), except in College of Law.
July 24, Fri., 5:00 p.m.....	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from second four-week courses only. (First five days.)
July 29, Wed.....	Latest date for foreign students who have not attended a college or university in the United States to apply for admission in September, 1970.
July 30, Thurs.....	Latest date to withdraw from the University without petitioning for readmission.
July 31, Fri., 5:00 p.m.....	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from second four-week courses only. (First two weeks.)
July 31, Fri., 5:00 p.m.....	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from second five and one-half week College of Law session. (First fifteen days.)
Aug. 3, Mon.....	Latest date for special examinations.
Aug. 5, Wed.....	Earliest date for full credit if withdrawing from the University for military service (six weeks' instruction completed), except in College of Law.
Aug. 13, Thurs.....	Last day of instruction in eight-week session.
Aug. 14, Fri.-Aug. 15, Sat.....	Summer Session final examinations.
Aug. 17, Mon.....	August graduation date (no Commencement Exercises.)
Aug. 26, Wed.....	Earliest date for special examinations.
Aug. 26, Wed.....	Latest date for domestic students, or foreign students who have attended a college or university in the United States, to apply for admission or readmission in September, 1970.

ORDER OF REGISTRATION

Second Semester, 1969-1970

Wednesday, February 4, through Saturday noon, February 7

GRADUATE STUDENTS

The program card and other preliminary registration materials for students who have not advance enrolled may be obtained in advance of registration days at the office of the student's adviser beginning Monday, February 2. Authorization cards essential to complete registration will be distributed to *all* graduate students in the upper gymnasium, English Building, in accordance with the schedule below, *but not before*.

UNDERGRADUATE STUDENTS

Authorization cards for all advance enrolled undergraduate students will be distributed in the Armory; authorization cards for all non-advance enrolled undergraduate students will be distributed from locations designated by the deans of the various colleges.

GRADUATE AND UNDERGRADUATE STUDENTS

The distribution schedule for both graduate and undergraduate students is as follows:

PREREGISTRATION (special permit required).....	Wednesday, February 4
Preregistration (for student registration staff).....	2:30 p.m.
Nonacademic employees and all Rehabilitation-Education Center students (not advance enrolled).....	3:30 p.m.
Thursday, February 5	
Wi through Z.....	8:00 a.m.
A through Bee.....	9:00 a.m.
Bef through Bro.....	10:00 a.m.
Brp through Com.....	11:00 a.m.
Con through Dq.....	1:00 p.m.
Dr through Fq.....	2:00 p.m.
Fr through Grd.....	3:00 p.m.
Gre through Her.....	4:00 p.m.
Friday, February 6	
Hes through Jog.....	8:00 a.m.
Joh through Kou.....	9:00 a.m.
Kov through Lor.....	10:00 a.m.
Los through Meh.....	11:00 a.m.
Mei through Neu.....	1:00 p.m.
Nev through Ph.....	2:00 p.m.
Pi through Rog.....	3:00 p.m.
Roh through Sel.....	4:00 p.m.
Saturday, February 7	
Sem through Std.....	8:00 a.m.
Ste through Tuk.....	9:00 a.m.
Tul through Wh.....	10:00 a.m.

Teachers wishing to register in evening or Saturday classes who are unable to be here at the hour designated will be permitted to register *between 8:00 a.m. and 12:00 noon* on Saturday, February 7. The offices will *not* be open for registration on Saturday, February 14, or any subsequent Saturday.

Graduate and undergraduate registrations are completed in the Armory through 12:00 noon on Saturday, February 7. Late registrations are completed in the Administration Building on Monday, February 9, and thereafter.

The late registration fine of \$15.00 will be assessed *all students* who complete registration after 12:00 noon on Saturday, February 7, 1970. No registration is considered complete until the fee card has been deposited with a Business Office cashier. This includes students exempt from tuition and/or fees.

NON-COMBINED FINAL EXAMINATION SCHEDULE

Second Semester, 1969-1970

Monday, June 1, to Tuesday, June 9, 1970

Note: This schedule does not apply to law courses or to combined-section examinations. These schedules will be announced later.

REQUIREMENT

Examinations must be taken at the close of each semester in all courses except those the character of which renders this unnecessary or impracticable.

TIME OF EXAMINATIONS

Instructors must give final examinations at the time specified unless a change is approved *in advance* by the Chancellor. Requests for change should be submitted through the executive officer of the department in which the course is offered and the dean of the appropriate college.

Undergraduate Students. Only the dean of the student's college may approve postponement of the final examination in *individual cases* of undergraduate students.

Graduate Students. The student's instructor is authorized to approve requests for postponement of the final examination in *individual cases* of graduate students.

EVENING EXAMINATIONS

Evening examinations are *not authorized* except for classes regularly scheduled through the semester to meet at 7:00 a.m., 12:00 noon, 5:00 p.m., 7:00 p.m., and 7:30 p.m. The evening hours for these examinations are specified in the published non-combined examination schedule.

IRREGULARLY SCHEDULED COURSES

The final examination in a sectional course having at *least two lectures per week at the same hour* must be scheduled according to the sequence (MWF or TTS) in which the lectures occur, irrespective of the credit hours in the course or the time of discussion or laboratory periods.

Examinations in multiple instructional courses combining one lecture with two or more discussion and/or laboratory periods at the *same hour* should be scheduled according to the sequence in which the discussion and/or laboratory periods fall, irrespective of the lecture hour.

Examinations in courses which include combinations of one meeting each of lecture, discussion, and laboratory, or any two of these, at *different hours* must be arranged by the instructors concerned within the established period. A conflict examination must be provided if necessary.

If a course is so arranged that the examination may be given on more than one date, the earliest date in the examination schedule must be chosen. This includes graduate seminars. For example, a course regularly meeting from 1:00 to 3:00 p.m. on Monday and Wednesday, or on Wednesday, Thursday, and Friday, must have the examination scheduled from 1:30 to 4:30 p.m. on Wednesday, June 3, *not* Tuesday, June 9, 1970.

For courses regularly meeting on half-hour schedules, e.g., 8:00 to 9:30 a.m. on MF, the half-hour periods should be disregarded, and the examination must be given according to the sequence in which the full hours fall, i.e., 8:00 a.m. on MF. The examination in such a course would be given on Tuesday, June 9, from 8:00 to 11:00 a.m.

SINGLE MEETING CLASSES

Examinations for courses meeting only once a week for one or more hours are to be arranged by the instructors concerned *within the established examination period* (June 1 to June 9, 1970).

Final examinations for 300- and 400-numbered education courses meeting only once a week will be administered during the first week of the final examination period at the same time, in the same classroom, and on the same weekday scheduled for regular meetings of the course throughout the semester.

CONFLICTS

Non-combined examinations always have precedence over combined examinations, and departments giving combined-section examinations must care for conflicts with non-combined examinations.

Two or more examinations in sequence are not considered "conflicts."

LENGTH OF EXAMINATIONS

The *maximum* limit for undergraduate examinations shall be three hours, except by special arrangement in individual cases approved by the dean of the college concerned. At the discretion of the department, a shorter examination may be given.

MORNING CLASSES

(a) All courses meeting on the TTS sequence or a combination of the TTS and MWF sequences.

Classes meeting at:

<i>Eight O'clock</i>	<i>Nine O'clock</i>	<i>Ten O'clock</i>	<i>Eleven O'clock</i>	<i>Twelve O'clock</i>
Mon., June 1	Wed., June 3	Thurs., June 4	Fri., June 5	Mon., June 1
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

(b) All courses meeting on the MWF sequence only.

Classes meeting at:

<i>Eight O'clock</i>	<i>Nine O'clock</i>	<i>Ten O'clock</i>	<i>Eleven O'clock</i>	<i>Twelve O'clock</i>
Tues., June 9	Tues., June 2	Sat., June 6	Mon., June 8	Fri., June 5
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

AFTERNOON CLASSES

(a) All courses meeting on the MWF sequence or a combination of the MWF and the TTS sequences.

Classes meeting at:

<i>One O'clock</i>	<i>Two O'clock</i>	<i>Three O'clock</i>	<i>Four O'clock</i>	<i>Five O'clock</i>
Tues., June 9	Wed., June 3	Thurs., June 4	Mon., June 1	Mon., June 8
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

(b) All courses meeting on the TTS sequence only.

Classes meeting at:

<i>One O'clock</i>	<i>Two O'clock</i>	<i>Three O'clock</i>	<i>Four O'clock</i>	<i>Five O'clock</i>
Sat., June 6	Fri., June 5	Tues., June 2	Mon., June 8	Thurs., June 4
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

EVENING AND EARLY MORNING CLASSES

Examinations for classes meeting at 7:00 a.m., at 7:00 p.m., or at 7:30 p.m. will be on Tuesday, June 2, from 7:00 to 10:00 p.m.

LISTING OF COURSES

The arrangement of subjects in this Time Table is alphabetical. The courses offered in each subject are listed numerically with headings to indicate the students for whom they are designed. Courses for undergraduates (freshmen and sophomores) are numbered 100 to 199; for advanced undergraduates (juniors and seniors), 200 to 299; for advanced undergraduates and graduates (juniors, seniors, and graduates), 300 to 399; for graduates, 400 to 599. Following the title of each course is a statement of the requirements, if any, for admission to the course.

Special sections intended for Honors Students are listed on page 10 preceding the departmental listings. These sections are also included in the departmental listings, and are designated by the ampersand symbol (&).

Credit

Credit for undergraduate students is counted in semester hours. An hour is one class period a week for one semester or the equivalent in laboratory or field work or approved independent study. The number of hours for which each course counts is shown under each course.

Credit for graduate students is counted in units. A unit course requires ten hours of time each week through the semester, irrespective of the distribution of that time in classwork, laboratory or field work, and private study. Four such courses or their equivalent constitute a student's normal program for one semester. The unit values of graduate courses are indicated under each of these courses. No course may be taken for graduate credit unless it is so designated in this Time Table of courses offered. In general, one graduate unit is the equivalent of four semester hours of undergraduate credit.

Approval of the Graduate College must be obtained for all registrations of undergraduate students in 400 courses for either semester hour or unit credit, or in 300 courses for unit credit.

Buildings

University buildings are designated by the following abbreviations:

Admin.....	Administration Building	IH.....	Illini Hall
Aero Lab.....	Aeronautical Engineering Laboratory	IU.....	Illini Union
Agr Eng.....	Agricultural Engineering Building	KM.....	Krannert Art Museum
AH.....	Altgeld Hall	Kran Perf.....	Krannert Center for the Performing Arts
An Gen.....	Animal Genetics Building	Law.....	Law Building
Arch.....	Architecture Building	LH.....	Lincoln Hall
Art Sculpt.....	Art-Sculpture Building	Lib.....	Library
ASL.....	Animal Sciences Laboratory	LIR.....	Labor and Industrial Relations Building
Bev Hall.....	Bevier Hall	MEB.....	Mechanical Engineering Building
BRL.....	Burnsides Research Laboratory	MEL.....	Mechanical Engineering Laboratory
Bur Hall.....	Burrill Hall	MH.....	Mumford Hall
CA.....	Chemistry Annex	MMB.....	Metallurgy and Mining Building
CD.....	Child Development Laboratory	MOG.....	Men's Old Gymnasium
CEB.....	Civil Engineering Building	Mor Hall.....	Morrill Hall
Cer.....	Ceramics Building	Mum House.....	Mumford House
Col Wolfe.....	Colonel Wolfe School	NEL.....	Nuclear Engineering Laboratory
Com W.....	Commerce and Business Administration Building (West)	NHB.....	Natural History Building
DH.....	Davenport Hall	NL.....	Noyes Laboratory of Chemistry
DKH.....	David Kinley Hall	Nuc Reac Lab.....	Nuclear Reactor Laboratory
DMB.....	Dairy Manufactures Building	Observ.....	Observatory
EB.....	English Building	PA.....	Practice Annex
EC.....	East Chemistry Building	PB.....	Physics Building
Educ.....	Education Building	Psych Bldg.....	Psychology Building
EE Annex.....	Electrical Engineering Annex	Rehab Centr.....	Rehabilitation-Education Center
EEB.....	Electrical Engineering Building	SA.....	String Annex
EH.....	Engineering Hall	SH.....	Stiven House
EPGB.....	Educational Projects and Guidance Building	SMH.....	Smith Music Hall
ERL.....	Engineering Research Laboratory	SP.....	Stock Judging Pavilion
FAB.....	Fine and Applied Arts Building	Sp Clinic.....	Speech Clinic
Flor.....	Floriculture Building	Surv Bldg.....	Surveying Building
Freer Gym.....	Freer Gymnasium	TA.....	Theory Annex
FSL.....	Forest Science Laboratory	TB.....	Transportation Building
GH.....	Gregory Hall	TH.....	Turner Hall
HA.....	Hill Annex	TL.....	Talbot Laboratory
HFL.....	Horticulture Field Laboratory	UHS.....	University High School
HG.....	Huff Gymnasium	VCLA.....	Veterinary Clinic, Large Animal
HH.....	Harker Hall	VCSA.....	Veterinary Clinic, Small Animal
Hyd Eng Lab.....	Hydraulic Engineering Laboratory	Veg Crops.....	Vegetable Crops Building
		VM.....	Veterinary Medicine Building

LISTING OF HONORS SECTIONS

FOLLOWING IS A LISTING OF HONORS SECTIONS OFFERED DURING THE SECOND SEMESTER 1969-70. THESE SECTIONS, DESIGNATED BY THE AMPERSAND SYMBOL (&) PRECEDING THE SECTION DESIGNATION, ALSO APPEAR IN THE ALPHABETICAL LISTING OF COURSES.

ACCY	105	00116	LECT-DISC	&A1	8	M	W	F	30	COM	W
ACCY	105	00361	LECT-DISC	*&B1	9	M	W	F	30	COM	W
ACCY	105	00370	LECT-DISC	*&C1	10	M	W	F	30	COM	W
ACCY	166	00493	LECT-DISC	&C	10	M	W	F	24	COM	W
ACCY	295	00698	CONF	&	ARR						
A A E	296	01855	CONF	&A	ARR						
A A E	297	01863	CONF	&A	ARR						
AG EC	200	02281	CONF	*&B	ARR						
AG E	296	02842	CONF	&A	ARR						
AG E	299	02877	CONF	&B	ARR						
AG M	300	03376	CONF	*&B	ARR						
AGR	190	03449	LECT-DISC	&	1-3	TU			316N	M	H
AGRON	300	03694	LAB-DISC	&B	ARR						
AN S	200	04371	CONF	*&B	ARR						
ANTH	102	04983	QUIZ	*&G	10	TU			313	O	H
ANTH	103	05156	QUIZ	*&G	11	TU			209A	O	H
ANTH	290	05202	CONF	&	ARR						
ANTH	291	05211	CONF	&	ARR						
ARCH	200	05644	CONF	&CU	ARR						
ARCH	200	05652	CONF	&L1	10	TU			ARR		
ART	200	07491	LAB-DISC	&A	ARR				139B	F	A B
BIDL	151	11231	LECT	&	11	M	W	F	300	N	L
BIDL	151		LAB	&	1-5	TU			102	H	H
BIDL	203	11258	LECT-DISC	&A	7-9PM	M			136	BUR	HALL
BIDL	203	11266	LECT-DISC	&B	7-9PM	M			123	BUR	HALL
BIDL	203	11274	LECT-DISC	&C	7-9PM	TU			136	BUR	HALL
BIDL	203	11282	LECT-DISC	&D	7-9PM	TU			123	BUR	HALL
BIDL	203	11291	LECT-DISC	&E	7-9PM	M	W		123	BUR	HALL
BIDL	251	11452	LECT	&	11	M	W	F	202	H	H
BIDL	251		LAB	&	1-5			F	102	H	H
BOT	101	11771	LAB-DISC	&A	1-3	M	W	F	259	N	H B
BOT	293	11827	CONF	&	ARR						
B ADM	110	12237	LECT-DISC	&A	8-10	M			160	COM	W
B ADM	210	12245	LECT-DISC	&	1-3	TU			91	COM	W
CHEM	108	13968	QUIZ	&18	11	M	W	F	195	N	L
CHEM	108		LAB	&18	1-5	M			310	C	A
CHEM	108	13976	QUIZ	&19	1	M	W	F	199	E	C
CHEM	108		LAB	&19	8-12	TU			310	C	A
C E	210	15241	LECT-DISC	&D	11	M	W	F	8222	C	E B
C E	210		LAB	&D	1-3			TH	8222	C	E B
C E	214	15284	LECT-DISC	&N	11			TH	1215	C	E B
C E	214		LAB	&N	10-12			TU	1215	C	E B
C E	261	15454	LECT-DISC	&F	2	M	W	F	200	T	L
CLCIV	111	16506	DISC	*&D	11			TH	362	ARMORY	
C S	109	17684	LECT-DISC	&	ARR						
C S	209	17803	LECT-DISC	&A	ARR						
C S	209	17811	LECT-DISC	&B	ARR						

D S	300	18183	CONF	*EB	ARR				
ECON	102	18833	LECT-DISC	*EL	8-930	TU TH	305	D K H	
ECON	103	18949	LECT-DISC	*EC	10	M W F	126	CDM W	
ECON	108	19286	LECT-DISC	*EA	8	M W F	125	D K H	
ECON	108	19294	LECT-DISC	*EE	1	M W F	125	D K H	
ECON	108	19308	LECT-DISC	*EL	8-930	TU TH	20	COM W	
ECON	196	19588	LECT-DISC	*EG	3	M W F	126	CDM W	
ECON	240	19731	LECT-DISC	*EE	1	M W F	94	COM W	
ECON	255	19774	LECT-DISC	*ED	11	M W F	126	COM W	
EDPSY	211	21092	LECT-DISC	*EG	3	M W F	162	EDUC	
E E	229	22659	DISC	*ED	8	M W F	57	E E B	
E E	260	23158	DISC	*EC	10	M W F	59	E E B	
E E	296	23409	CONF	*EK1	ARR				
E E	297	23425	DISC	*EC	130-3	TU TH	170	E E B	
E E	297	23433	DISC	*ED	8	M W F	335	E E B	
E E	297	23441	DISC	*EF1	3	TU TH	136	E E B	
E E	297			*EF1	8-10	TU	50M	E E B	
E E	297	23417	DISC	*EF2	3	TU TH	136	E E B	
E E	297			*EF2	1-3	TU	50M	E E B	
E E	330	23620	DISC	*EB	11	M W F	161	E E B	
E E	342	23972	DISC	*EC	10	M W F	57	E E B	
E E	350	24218	DISC	*EB	9	M W F	161	E E B	
ENG H	196	27451	LECT-DISC	*E	10-12	TU	ARR		
ENG H	197	27460	LECT-DISC	*E	3-430	M	235	M E B	
ENG H	198	27478	CONF	*E	ARR				
ENG H	297	27486	LECT-DISC	*EC	3-5	TU TH	161	E E B	
ENG H	297	27494	LECT-DISC	*ED	1-3	TU	141	E E B	
ENG H	297	27508	LECT-DISC	*EP	10-1130	TH	302	T B	
ENG H	297	27516	LECT-DISC	*ES	8-10	TU TH	203	T B	
ENGL	196	28341	LECT-DISC	*EC1	10-12	M W	241	ARMORY	
ENGL	196	28350	LECT-DISC	*EC2	10-12	M W	243	ARMORY	
ENGL	196	28368	LECT-DISC	*EG1	3-5	M W	307	E B	
ENGL	196	28376	LECT-DISC	*EG2	3-5	M W	194	L H	
ENGL	197	28384	LECT-DISC	*EG1	3-5	F	309	E B	
ENGL	197	28406	LECT-DISC	*EM1	10-12	TH	2108	E B	
ENGL	197	28392	LECT-DISC	*EN1	11-1	TH	137	ADMIN	
ENGL	296	29193	LECT-DISC	*EF1	1-3	TU	303	E B	
ENGL	296	29207	LECT-DISC	*EG	3-5	F	307	E B	
ENGL	296	29215	LECT-DISC	*EL1	9-11	TU	140	ADMIN	
ENGL	297	29223	LECT-DISC	*EE	1-3	TH	303	E B	
ENGL	297	29231	LECT-DISC	*EN	3-5	TU	194	L H	
ENGL	298	29240	CONF	*E	ARR				
FIN	150	30093	LECT-DISC	*EG	3	M W F	28	CDM W	
F S	300	30603	CONF	*EB	ARR				
F S	324	30646	LAB	*EB	9-12	F	420	BEV HALL	
FDR	200	30832	CONF	*EB	ARR				
FR	102	31731	LECT-DISC	*EF1	1	MTU THF	206	H H	
FR	103	31854	LECT-DISC	*EF2	2	MTU THF	301	N L	
FR	104	32442	LECT-DISC	*ED2	11	MTU THF	262	L H	
FR	201	32752	LECT-DISC	*EE	1	M W F	390	L H	
FR	202	32809	LECT-DISC	*EE	1	M W F	3	G H	
FR	211	32876	LECT-DISC	*EF	2	M W F	216	L H	
FR	212	33456	LECT-DISC	*EE1	1	M W F	325	G H	
G E	103	34117	LAB-DISC	*EG6	1-4	TU TH	316	T B	
G E	393	34524	CONF	*EB	ARR				
GEOG	102	34621	LAB	*EC2	8-10	TH	113	D H	
GEOG	103	34915	QUIZ	*E5	10	M	177	D H	
GEOG	103	34923	LAB	*EE	10-12	W	177	D H	
GEOG	104	35058	LAB-DISC	*E12	9	TH	177	D H	
GEOG	105	35121	LAB-DISC	*E2	8	TH	177	D H	
GEOG	195	35147	LECT-DISC	*E	3-5	TU	219	D H	

GEDL	101	35546	LAB	*E5	1-3	TU		120	N H B
GEDL	101		QUIZ	*E5	9		F	120	N H B
GEDL	102	35708	LAB-DISC	*E16	1-3	TH		120	N H B
GEDL	102	35716	LAB-DISC	*E16	1-3	TH		120	N H B
GEDL	102	35724	LAB-DISC	*E16	1-3	TH		120	N H B
GEDL	111	35791	LAB-DISC	E A	ARR			120	N H B
GEDL	112	35805	LAB-DISC	E A	ARR			120	N H B
GEDL	290	35881	CONF	E A	ARR				
H ED	260	38623	LECT-DISC	EX1	7-9PM	TU		15	E B
H ED	260	38631	LECT-DISC	EX2	7-9PM	TU		207B	FREER GYM
H ED	260	38640	LECT-DISC	EX3	7-9PM	TU TH		209	H G
HIST	112	39343	DISC	*E5	11	M W		430	ARMORY
HIST	132	39530	DISC	*E5	11	TU TH		329	ARMORY
HIST	152	39904	DISC	E5	3	M W		433	ARMORY
HIST	293	40081	CONF	E	ARR				
HIST	295	40090	CONF	E	ARR				
HP ED	201	40707	LECT-DISC	E1	8-10	TU		136	ARMORY
HP ED	201	40898	LECT-DISC	*E3	9-11	TU		126	COM W
H EC	190	41621	LECT-DISC	E	1-3	TU		316N	M H
H EC	292	41940	CONF	*E8	ARR				
H EC	301	42031	LAB	*E6	9-12	TH		109	C D
H EC	324	42091	LAB	*E8	9-12	F		420	BEV HALL
H EC	331	42139	LAB-DISC	E8	ARR			486	BEV HALL
H EC	379	42198	CONF	E	ARR				
HORT	200	42431	CONF	*E8	ARR				
I ADM	200	42911	DISC	*E6	10	W F		236	COM W
I ADM	210	43045	DISC	*E0	11	W F		160	COM W
I E	296	43355	CONF	EZ	ARR				
ITAL	292	44032	CONF	E A	ARR				
L A S	198	46521	CONF	E	9	M W F		209A	D H
L A S	198		LAB	E	ARR				
MKTG	201	47527	DISC	ES2	2	TH		122	COM W
MATH	132	48883	LECT-DISC	*E A1	8	MTUWTHF		259	A H
MATH	132	48891	LECT-DISC	*E D1	11	MTUWTHF		443	A H
MATH	133	49242	LECT-DISC	*E E1	1	M W F		169	A H
MATH	142	49561	LECT-DISC	*E O1	11	M W F		447	A H
MATH	149	49650	LECT-DISC	*E Q	ARR				
MATH	149	49668	LECT-DISC	*E R	ARR				
MATH	149	49676	LECT-DISC	*E S	ARR				
MATH	249	49765	LECT-DISC	*E P	ARR				
MATH	249	49773	LECT-DISC	*E Q	ARR				
MATH	347	50789	LECT-DISC	*E D1	11	M W F		169	A H
MATH	349	50827	LECT-DISC	E E1	1	M W F		155	A H
M E	206	52071	LECT-DISC	E O1	11	M W F		236	M E B
M E	220	52399	LAB-DISC	E C1	10-12	M W F		353	M E B
M E	224	52461	LECT-DISC	E A1	8-10	M W F		336	M E B
M E	296	52836	CONF	E Z	ARR				
MUSIC	229	55492	CONF	*E8	ARR				
PHIL	306	59494	DISC	*E K	4	TH		327	G H
P E M	220	62301	LECT-DISC	*E G1	1	M W F		218	E B
P E M	220	62310	LECT-DISC	*E H1	3	M W F		218	E B
P E M	260	62395	LECT-DISC	EX1	7-9PM	TU		15	E B
P E M	260	62409	LECT-DISC	EX2	7-9PM	TU		207B	FREER GYM
P E M	260	62417	LECT-DISC	EX3	7-9PM	TU TH		209	H G

P E W 260	64809	LECT-DISC	&X1	7-9PM	TU	15	E B	
P E W 260	64817	LECT-DISC	&X2	7-9PM	TU	207B	FREER	GYM
P E W 260	64825	LECT-DISC	&X3	7-9PM	TU TH	209	H G	
PHYCS 106	65782	LAB	*GB2	8-10	W	264	P B	
PHYCS 106		QUIZ	*GB2	8-10	F	147	P B	
PHYCS 106	65791	LAB	*GF1	1-3	M	264	P B	
PHYCS 106		QUIZ	*GF1	1-3	W	143	P B	
PHYCS 106	65804	LAB	*EK1	10-12	TU	232	P B	
PHYCS 106		QUIZ	*EK1	10-12	TH	147	P B	
PHYCS 106	65812	LAB	*EM1	1-3	TU	232	P B	
PHYCS 106		QUIZ	*EM1	1-3	TH	143	P B	
PHYCS 106	65821	LAB	*EN1	1-3	TU	264	P B	
PHYCS 106		QUIZ	*EN1	1-3	TH	147	P B	
PHYCS 107	65961	LAB	*GC3	10-12	F	234	P B	
PHYCS 107		QUIZ	*GC3	10-12	M	234	P B	
PHYCS 107	65979	LAB	*GM2	1-3	TH	234	P B	
PHYCS 107		QUIZ	*GM2	1-3	TU	234	P B	
PHYCS 108	66281	LAB	*EC2	10-12	W	236	P B	
PHYCS 108		QUIZ	*EC2	10-12	F	319	CER	
PHYCS 108	66290	LAB	*EK1	10-12	TU	236	P B	
PHYCS 108		QUIZ	*EK1	10-12	TH	319	CER	
PHYCS 108	66303	LAB	*EM1	1-3	TU	236	P B	
PHYCS 108		QUIZ	*EM1	1-3	TH	139	P B	
PHYCS 108	66311	LAB	*EN1	1-3	TU	258	P B	
PHYCS 108		QUIZ	*EN1	1-3	TH	319	CER	
PHYCS 303	66389	LAB	*GC	ARR				
PHYCS 304	66419	LAB	*GC	ARR				
PL PA 300	67775	CONF	*GB	ARR				
POL S 191	68142	LECT-DISC	&C	10	M W F	310	L H	
POL S 191			&C	12	TU	310	L H	
PSYCH 100	69407	LECT	*EG	9	M W F	29	PSYCH	BLOG
PSYCH 100	69415	LECT	*GH	11	M W F	29	PSYCH	BLOG
PSYCH 100	69423	LECT	*GI	1	M W F	29	PSYCH	BLOG
PSYCH 201	70234	LECT	EE	8	M W F	207	PSYCH	BLOG
PSYCH 201	70242	LECT	EF	10	M W F	207	PSYCH	BLOG
PSYCH 201	70251	LECT	EG	2	M W F	207	PSYCH	BLOG
PSYCH 216	70391	LECT	*GD	11-1	TU	23	PSYCH	BLOG
PSYCH 216			*GD	12	TH	23	PSYCH	BLOG
PSYCH 216	70404	LECT	*GE	9	M W F	21	PSYCH	BLOG
PSYCH 250	70536	LECT	ED	11	M W F	21	PSYCH	BLOG
PSYCH 250	70544	LECT	EE	1	M W F	21	PSYCH	BLOG
PSYCH 291	70552	LECT-DISC	&	ARR				
PSYCH 338	70897	LECT	*ED	10	M W F	21	PSYCH	BLOG
REC 260	72031	LECT-DISC	&X1	7-9PM	TU	15	E B	
REC 260	72049	LECT-DISC	&X2	7-9PM	TU	207B	FREER	GYM
REC 260	72057	LECT-DISC	&X3	7-9PM	TU TH	209	H G	

RHET	108	73460	LECT-DISC	EA1	8	M	W	F	209	E B
RHET	108	73478	LECT-DISC	EA2	8	M	W	F	303	E B
RHET	108	73486	LECT-DISC	EA3	8	M	W	F	108	SURV BLDG
RHET	108	73494	LECT-DISC	EB1	9	M	W	F	304	G H
RHET	108	73508	LECT-DISC	EB2	9	M	W	F	303	E B
RHET	108	73516	LECT-DISC	EC1	10	M	W	F	204	N L
RHET	108	73524	LECT-DISC	EC2	10	M	W	F	31	PSYCH BLDG
RHET	108	73532	LECT-DISC	ED1	11	M	W	F	252	E E B
RHET	108	73541	LECT-DISC	ED2	11	M	W	F	204	N L
RHET	108	73559	LECT-DISC	EX1	12	M	W	F	149	ADMIN
RHET	108	73567	LECT-DISC	EX2	12	M	W	F	309	E B
RHET	108	73575	LECT-DISC	EX3	12	M	W	F	152	ADMIN
RHET	108	73583	LECT-DISC	EE1	1	M	W	F	210B	E B
RHET	108	73591	LECT-DISC	EE2	1	M	W	F	204	N L
RHET	108	73605	LECT-DISC	EF1	2	M	W	F	204	N L
RHET	108	73613	LECT-DISC	EF2	2	M	W	F	133	ARMORY
RHET	108	73621	LECT-DISC	EG1	3	M	W	F	312	N L
RHET	108	73630	LECT-DISC	EG2	3	M	W	F	303	E B
RHET	108	73648	LECT-DISC	EH1	4	M	W	F	210A	E B
RHET	108	73656	LECT-DISC	EH2	4	M	W	F	303	E B
RHET	108	73664	LECT-DISC	EJ1	9-1030				303	E B
RHET	108	73672	LECT-DISC	EJ2	9-1030	TU	TH		105	H H
RHET	108	73681	LECT-DISC	EK1	1030-12	TU	TH		303	E B
RHET	108	73699	LECT-DISC	EK2	1030-12	TU	TH		105	H H
RHET	108	73702	LECT-DISC	EO1	11-1230	TU	TH		209	E B
RHET	108	73711	LECT-DISC	EO2	11-1230	TU	TH		201	E B
RHET	108	73729	LECT-DISC	EU1	1-230	TU	TH		105	H H
RHET	108	73737	LECT-DISC	EY1	230-4	TU	TH		201	E B
RHET	108	73745	LECT-DISC	EZ1	3-430	TU	TH		303	E B
RHET	108	73753	LECT-DISC	EZ2	3-430	TU	TH		105	H H
SE ED	240	76318	LECT-DISC	*EN1	10			TU TH	36	COM W
SE ED	249	76601	CONF	E	ARR					
SE ED	291	76610	CONF	E	ARR					
SE ED	292	76628	CONF	E	ARR					
SDC	152	77747	QUIZ	E9	9			TU TH	134	ARMORY
SOC	291	77925	CONF	EA	ARR					
SPAN	102	78874	LECT-DISC	EB1	9			TUWTHF	154	ADMIN
SPAN	292	79624	CONF	EA	ARR					
SPCH	101	80575	LECT-DISC	*EF	2	M	W	F	140	L H
SPCH	112	81431	DISC	EF1	2	M	W	F	141	A H
SPCH	141	81660	LECT-DISC	*EF	2	M	W	F	255	ARMORY
SPCH	198	81848	LECT-DISC	EC	10	M	W	F	1205	W OREGON
T A M	221	83431	LECT-DISC	*EC3	10	M	W	F	105C	WOODSHOP
ZOOL	303	86110	CONF	EA	ARR					

ACCOUNTANCY

DEPARTMENT OFFICE

360 COM W

COURSES FOR UNDERGRADUATES

ACCY 101 PRINCIPLES OF ACCOUNTING I. 3 HOURS

00019	LECT-DISC	D	11	M W F	240	COM W
00027	LECT-DISC	E	1	M W F	240	COM W
00035	LECT-DISC	L	8-930	TU TH	215	O K H
00043	LECT-DISC	P	11-1230	TU TH	108	O K H
00051	LECT-DISC	Q1	1230-2	TU TH	108	O K H
00060	LECT-DISC	Q2	1230-2	TU TH	115	O K H
00078	LECT-DISC	Q3	1230-2	TU TH	24	COM W
00086	LECT-DISC	S1	2-330	TU TH	108	O K H
00094	LECT-DISC	S2	2-330	TU TH	115	O K H
00108	LECT-DISC	S3	2-330	TU TH	24	COM W

REVSINE

ACCY 105 PRINCIPLES OF ACCOUNTING II.

PREREQUISITE: ACCY. 101.

3 HOURS

*SECTIONS E81 AND E81 OPEN TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

*SECTIONS L2 AND N AND DESIGNED FOR STUDENTS WHO MAY REQUIRE SPECIAL ASSISTANCE. THEY ARE OPEN TO SEDP STUDENTS AND TO OTHERS ON A SPACE AVAILABLE BASIS. ASK YOUR ADVISER TO CHECK WITH THE DEPARTMENT OF ACCOUNTING FOR AVAILABILITY OF SPACE BEFORE REGISTERING FOR THESE SECTIONS.

00116	LECT-DISC	E81	8	M W F	30	COM W
00124	LECT-DISC	A2	8	M W F	108	O K H
00361	LECT-DISC	*E81	9	M W F	30	COM W
00370	LECT-DISC	*E81	10	M W F	30	COM W
00132	LECT-DISC	C2	10	M W F	215	O K H
00141	LECT-DISC	X1	12	M W F	322	O K H
00159	LECT-DISC	X2	12	M W F	115	O K H
00167	LECT-DISC	X3	12	M W F	30	COM W
00175	LECT-DISC	X4	12	M W F	152	COM W
00183	LECT-DISC	X5	12	M W F	240	COM W
00191	LECT-DISC	E1	1	M W F	322	O K H
00205	LECT-DISC	E2	1	M W F	115	O K H
00213	LECT-DISC	E3	1	M W F	30	COM W
00221	LECT-DISC	E4	1	M W F	152	COM W
00230	LECT-DISC	F1	2	M W F	322	O K H
00248	LECT-DISC	F2	2	M W F	115	O K H
00256	LECT-DISC	G1	3	M W F	322	O K H
00264	LECT-DISC	G2	3	M W F	115	O K H
00272	LECT-DISC	G3	3	M W F	215	O K H
00281	LECT-DISC	H1	4-530	M F	240	COM W
00299	LECT-DISC	H2	4	M W F	215	O K H
00302	LECT-DISC	L1	8-930	TU TH	322	O K H
00388	LECT-DISC	*L2	8-930	TU TH	115	O K H
00311	LECT-DISC	M1	930-11	TU TH	322	O K H
00396	LECT-DISC	*N	10-1130	TU TH	115	O K H
00329	LECT-DISC	P	11-1230	TU TH	322	O K H
00337	LECT-DISC	Q1	1230-2	TU TH	322	O K H
00345	LECT-DISC	Q2	1230-2	TU TH	240	COM W
00353	LECT-DISC	S	2-330	TU TH	322	O K H

LITHERLAND
LITHERLAND

ACCY 108 INTERMEDIATE ACCOUNTING.

PREREQUISITE: ONE YEAR OF ACCOUNTANCY, SOPHOMORE STANDING.
3 HOURS

00400	LECT-DISC	M	9-1030	TU TH	24	COM W
00418	LECT-DISC	P	11-1230	TU TH	24	COM W
00426	LECT-DISC	F	2-330	M F	152	COM W

ACCY 166 COST ACCOUNTING.
 PREREQUISITE: ACCY. 105.
 3 HOURS
 SECTION 6C OPEN TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

00434	LECT-DISC	A	8	M	W	F	24	COM	W
00442	LECT-DISC	8	9	M	W	F	24	COM	W
00493	LECT-DISC	6C	10	M	W	F	24	COM	W
00451	LECT-DISC	D	11	M	W	F	24	COM	W
00469	LECT-DISC	X	12	M	W	F	24	COM	W
00477	LECT-DISC	E	1	M	W	F	24	COM	W
00485	LECT-DISC	F	2	M	W	F	24	COM	W

ACCY 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 00507 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

ACCY 201 FUNDAMENTALS OF ACCOUNTING.
 FOR NON-COMMERCE STUDENTS ONLY.
 3 HOURS

00515	LECT-DISC	B	9	M	W	F	108	D	K	H
00523	LECT-DISC	C	10	M	W	F	108	D	K	H
00531	LECT-DISC	D	11	M	W	F	108	D	K	H
00540	LECT-DISC	X	12	M	W	F	108	D	K	H
00558	LECT-DISC	E	1	M	W	F	108	D	K	H
00566	LECT-DISC	F	2	M	W	F	108	D	K	H
00574	LECT-DISC	G	3	M	W	F	108	D	K	H
00582	LECT-DISC	L	8-930	TU	TH		108	D	K	H
00591	LECT-DISC	M	930-11	TU	TH		108	D	K	H

ACCY 203 BUSINESS AND ACCOUNTING METHODS.
 NOT OPEN TO COMMERCE STUDENTS.
 PREREQUISITE: JUNIOR STANDING.
 2 HOURS
 *SECTION 8 OPEN TO VETERINARY MEDICINE STUDENTS ONLY.

00612	LECT-DISC	*8	9	M		F	253	V	M
00604	LECT-DISC	D	11	M		F	30	COM	W

ACCY 206 COST ACCOUNTING FOR ENGINEERS.
 NOT OPEN TO STUDENTS WHO HAVE RECEIVED CREDIT IN ACCY. 101 OR
 ACCY. 201.
 PREREQUISITE: JUNIOR STANDING IN ENGINEERING.
 3 HOURS

00621	LECT-DISC	D	11	M	W	F	319	M	E	L
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ACCY 274 BASIC FEDERAL INCOME TAX ACCOUNTING.
 PREREQUISITE: ACCY. 108.
 3 HOURS

00639	LECT	1	9	M	W		240	COM	W	SKADDEN
00647	LECT	2	10	M	W		240	COM	W	SKADDEN
00655	LECT-DISC	Q	12	TU	TH		215	D	K	H
00663	LECT-DISC	R	1	TU	TH		215	D	K	H
00671	LECT-DISC	S	2	TU	TH		215	D	K	H
00680	LECT-DISC	T	3	TU	TH		215	D	K	H

ACCY 295 SENIOR RESEARCH.
 PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN
 THE JUNIOR YEAR. SENIOR STANDING.
 2 TO 4 HOURS
 00698 CONF E ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ACCY 308 ADVANCED ACCOUNTING.
 PREREQUISITE: ACCY. 106 OR 166, AND 108, AN AVERAGE OR C OR
 BETTER IN PRECEDING COURSES IN ACCOUNTANCY.
 3 HOURS OR 3/4 UNIT

00701	LECT-DISC	B	9	M	W	F	115	D	K	H
00710	LECT-DISC	C	10	M	W	F	115	D	K	H
00728	LECT-DISC	D	11	M	W	F	115	D	K	H

ACCY 325 ACCOUNTING SYSTEM DESIGN.

PREREQUISITE: ACCY. 308.

3 HOURS OR 3/4 UNIT

00736	LECT-DISC	A	8	M	W	F	152	COM	W
00744	LECT-DISC	B	9	M	W	F	152	COM	W
00752	LECT-DISC	C	10	M	W	F	152	COM	W
00761	LECT-DISC	D	11	M	W	F	152	COM	W

ACCY 341 GOVERNMENTAL ACCOUNTING.

PREREQUISITE: ACCY. 108.

2 HOURS OR 1/2 UNIT

00779	LECT-DISC	L	8		TU	TH	152	COM	W
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ACCY 366 ADVANCED COST ACCOUNTING.

PREREQUISITE: MINIMUM OF NINE HOURS OF ACCOUNTANCY, INCLUDING ACCY. 166 (FORMERLY 106).

2 HOURS OR 1/2 UNIT

00787	LECT-DISC	M	9		TU	TH	152	COM	W
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ACCY 371 AUDITING.

PREREQUISITE: ACCY. 308.

3 HOURS OR 3/4 UNIT

00795	LECT	1	10-12		TH		240	COM	W
00809	LECT	2	9-11		F		240	COM	W
00817	LECT-DISC	A	8	M	W		322	O	K
00825	LECT-DISC	B	9	M	W		322	O	K
00833	LECT-DISC	C	10	M	W		322	O	K
00841	LECT-DISC	D	11	M	W		322	O	K

NEUMANN
NEUMANN

ACCY 372 AUDITING PROBLEMS AND CASES.

PREREQUISITE: ACCY. 371.

3 HOURS OR 3/4 UNIT

00850	LECT-DISC	L	8-930		TU	TH	30	COM	W
00868	LECT-DISC	N	10-1130		TU	TH	30	COM	W

ACCY 374 ADVANCED INCOME TAX PROBLEMS.

PREREQUISITE: SENIOR STANDING, ACCY. 274 AND 308.

3 HOURS OR 3/4 UNIT

00876	LECT-DISC	A	8	M	W	F	240	COM	W
00884	LECT-DISC	O	11	M	W	F	215	O	K

ACCY 377 ADVANCED PROBLEMS.

PREREQUISITE: SENIOR STANDING, CREDIT OR REGISTRATION IN ACCY. 371.

3 HOURS OR 1 UNIT

00892	LECT-DISC	A	8	M	W	F	115	O	K
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ACCY 378 ADVANCED THEORY AND PRACTICE.

PREREQUISITE: ACCY. 377.

3 HOURS OR 1 UNIT

00906	LECT-DISC	A	8-10	M	W		215	O	K
00914	LECT-DISC	N	10-12		TU	TH	215	O	K
00922	LECT-DISC	E	1-3	M	W		215	O	K

COURSES FOR GRADUATES

ACCY 455 MACRO-ACCOUNTING.

SAME AS ECON. 425.

PREREQUISITE: INTERMEDIATE MACRO-ECONOMIC THEORY OR CONSENT OF INSTRUCTOR.

1 UNIT

00931	LECT-DISC		2-4		TU		240	COM	W
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ZIMMERMAN

ACCY 461 ADMINISTRATIVE ACCOUNTING.

1 UNIT

00949	LECT-DISC		2-4		W		152	COM	W
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THOMAS

ACCY 462 MANAGEMENT ACCOUNTING.

PREREQUISITE: AN UNDERGRADUATE COURSE IN MANAGEMENT ACCOUNTING. THE STUDENT'S BACKGROUND IN STATISTICS AND MATHEMATICS SHOULD BE EQUIVALENT TO THE UNDERGRADUATE REQUIREMENTS OF THE U OF I COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION IN THESE AREAS.

1 UNIT

00957	LECT-DISC		2-4		W		240	COM	W
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SOMMER

ACCY	472	AUDITING STANDARDS AND TECHNIQUES.							
		1 UNIT							
	00965	LECT-DISC	2-4	F	240	COM W		MAUTZ	
ACCY	473	THE THEORY OF ACCOUNTING SYSTEM DESIGN.							
		1 UNIT							
	00973	LECT-DISC	4-6	TH	240	COM W		THOMAS	
ACCY	481	CONCEPTS AND PRINCIPLES.							
		1 UNIT							
	00981	LECT-DISC	2-4	TH	152	COM W		DESKINS	
ACCY	483	INCOME DETERMINATION.							
		1 UNIT							
	00990	LECT-DISC	2-4	TH	240	COM W		MAUTZ	
ACCY	485	RELATIONSHIP OF ACCOUNTING THEORY TO PHILOSOPHY, SCIENCE, AND OTHER DISCIPLINES.							
		1 UNIT							
	01006	LECT-DISC	2-4	M	240	COM W		BEDFORD	
ACCY	493	SPECIAL RESEARCH PROBLEMS.							
		1/4 TO 2 UNITS							
	01014	CONF	L 8-10	TU TH	240	COM W		SOMMER	
	01022	CONF	C 10-12	W	8	COM W		CAREY	
	01031	CONF	ARR						
ACCY	499	THESIS RESEARCH.							
		0 TO 4 UNITS							
	01049	DISC	4-6	W	240	COM W		FESS	
ACCY	502	ACCOUNTING ANALYSIS, II.							
		PREREQUISITE: ACCY. 501 OR EQUIVALENT.							
		3/4 UNIT							
	01057	LECT-DISC	2-4	M W	30	COM W		MC KEDWN	
ACCY	504	TAXATION AND AUDITING.							
		PREREQUISITE: ACCY. 501 AND 503, OR EQUIVALENT.							
		1 UNIT							
	01065	LECT-DISC	2-4	TU TH	30	COM W		NEUMANN	
ACCY	577	PROFESSIONAL PROBLEMS.							
		PREREQUISITE: CANDIDACY FOR M.A.S. DEGREE.							
		1 UNIT							
	01073	LECT-DISC	10-12	TU TH	152	COM W		DUNHAM	
ACCY	594	METHODS AND PRACTICES IN PROFESSIONAL RESEARCH.							
		PREREQUISITE: CANDIDACY FOR M.A.S. DEGREE.							
		1 UNIT							
	01081	LECT-DISC	4-6	TU	240	COM W		REVSINE	

ADVERTISING

DEPARTMENT OFFICE

103 G H

COURSES FOR ADVANCED UNDERGRADUATES

ADV 281 INTRODUCTION TO ADVERTISING. 3 HOURS

01090	LECT-DISC	A	8	M W F	18	G H
01103	LECT-DISC	8	9	M W F	43	G H
01111	LECT-DISC	C	10	M W F	43	G H
01120	LECT-DISC	D	11	M W F	43	G H
01138	LECT-DISC	E	1	M W F	221	G H
01146	LECT-DISC	F	2	M W F	43	G H
01154	LECT-DISC	G	3	M W F	43	G H
01162	LECT-DISC	L	830-10	TU TH	43	G H
01171	LECT-DISC	N	10-1130	TU TH	43	G H

ADV 288 SALES WRITING.

SAME AS RHET. 271.

PREREQUISITE: RHET. 102 OR EQUIVALENT.

2 HOURS

01189	LECT-DISC	C	10	M W	326	D K H	MAGUIRE
01197	LECT-DISC	M	9	TU TH	326	D K H	MAGUIRE
01201	LECT-DISC	P	11	TU TH	326	D K H	MAGUIRE

ADV 291 SPECIAL PROBLEMS.

PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.

2 OR 3 HOURS

01219	CONF	ARR					STAFF
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ADV 309 PUBLIC RELATIONS.

PREREQUISITE: SENIOR STANDING IN THE COLLEGE OF COMMUNICATIONS OR
CONSENT OF INSTRUCTOR.

3 HOURS OR 1/2 UNIT

01227	LECT-DISC	F	1	M W F	43	G H	JUGENHEIMER
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ADV 381 ADVERTISING RESEARCH METHODS.

PREREQUISITE: ADV. 281 AND CONSENT OF THE DEPARTMENT.

3 HOURS OR 1/2 UNIT

01235	LECT-DISC	C	10	M W F	113	G H	STEILEN
01243	LECT-DISC	A	8	M W F	215	G H	STEILEN

ADV 382 ADVERTISING CREATIVE STRATEGY.

PREREQUISITE: ADV. 281 AND CONSENT OF THE DEPARTMENT.

3 HOURS OR 1/2 UNIT

01251	LAB	C1	1-3	M	18	G H	WHITE
	LECT	C	10	M W	223	G H	
01260	LAB	C2	3-5	TU	18	G H	WHITE
	LECT	C	10	M W	223	G H	
01278	LAB	C3	1-3	M TH	18	G H	WHITE
	LECT	C	10	M W	223	G H	
01286	LAB	M1	1-3	TU	18	G H	KITSON
	LECT	M	10	TU TH	215	G H	
01294	LAB	M2	1-3	W	18	G H	KITSON
	LECT	M	10	TU TH	215	G H	

ADV 383 ADVERTISING MEDIA POLICY AND STRATEGY.

PREREQUISITE: ADV. 281 AND CONSENT OF THE DEPARTMENT.

3 HOURS OR 1/2 UNIT

01308	LECT-DISC	B	9	M W F	225	G H	BARBAN
01316	LECT-DISC	D	11	M W F	215	G H	BARBAN

ADV 384 ADVERTISING CAMPAIGNS.

PREREQUISITE: ADV. 382 AND 383 OR CONSENT OF INSTRUCTOR.

3 HOURS OR 1/2 UNIT

01324	LECT-DISC	A	8	M W F	43	G H	KITSON
01332	LECT-DISC	D	11	M W F	113	G H	KITSON

ADV 387 ADVERTISING AND PROMOTION MANAGEMENT.
 PREREQUISITE: ADV. 281 AND CONSENT OF THE DEPARTMENT.
 3 HOURS OR 1/2 UNIT
 01341 LECT-DISC A 8 M W F 113 G H WEDDING
 01359 LECT-DISC B 9 M W F 113 G H WEDDING

ADV 388 ADVERTISING IN CONTEMPORARY SOCIETY.
 PREREQUISITE: ADV. 281 AND SENIOR STANDING.
 *GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388
 AND 481.
 *2 HOURS OR 1/2 UNIT
 01367 LECT-DISC M 9 TU TH 123 G H
 01375 LECT-DISC N 10 TU TH 123 G H
 01383 LECT-DISC P 11 TU TH 123 G H

ADV 389 INTERNATIONAL ADVERTISING AND PROMOTION.
 PREREQUISITE: ADV. 281 AND SENIOR STANDING.
 3 HOURS OR 1/2 UNIT
 01391 LECT-DISC B 9 M W F 123 G H DUNN

ADV 390 ADVANCED CREATIVE STRATEGY.
 PREREQUISITE: ADV. 382 AND CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 01405 LECT-DISC N 10-12 TU TH 18 G H WHITE

COURSES FOR GRADUATES

ADV 481 ADVANCED ADVERTISING PRINCIPLES.
 SAME AS COMM. 481.
 *GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388
 AND 481.
 *1 UNIT
 01413 LECT-DISC G 3-5 W 18 G H WEDDING

ADV 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
 SAME AS COMM. 482.
 1 UNIT
 01421 LECT-DISC R 1-3 TU 123 G H

ADV 484 ADVERTISING AND CONSUMER BEHAVIOR.
 1 UNIT
 01430 LECT-DISC G 3-5 M 18 G H BARBAN

ADV 485 ADVERTISING PLANNING AND DECISION MAKING.
 1 UNIT
 01448 LECT-DISC T 3-5 TH 18 G H STEILEN

ADV 490 SPECIAL TOPICS IN ADVERTISING.
 PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
 1/2 OR 1 UNIT
 01456 CONF ARR STAFF

ADV 499 THESIS RESEARCH.
 PREREQUISITE: GRADUATE STANDING IN ADVERTISING.
 1 OR 2 UNITS
 01464 CONF ARR STAFF

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
DEPARTMENT OFFICE

101 T B

A A E 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
01472 LECT-DISC A ARR

COURSES FOR ADVANCED UNDERGRADUATES

A A E 212 AERODYNAMICS, I.
PREREQUISITE: M. E. 207, T. A. M. 156, CREDIT OR REGISTRATION
IN MATH. 343.
4 HOURS
01481 LECT-DISC A 1 MTUW F 214 CER
01499 LECT-DISC B 9 MTUW F 217 M E L

A A E 213 AERODYNAMICS, II.
PREREQUISITE: A. A. E. 212.
4 HOURS
01502 LECT-DISC A 8 MTUW F 214 CER
01511 LECT-DISC B 1 MTUW F 217 M E L
01529 LECT-DISC C 3 MTUW F 202 T B
01537 LECT-DISC D 11 MTUW F 203 T B

A A E 224 FLIGHT STRUCTURES, I.
PREREQUISITE: T. A. M. 156 AND MATH. 345.
4 HOURS
01545 LECT-DISC A 9 MTUW F 103 T B
01553 LECT-DISC B 1 MTUW F 103 T B

A A E 225 FLIGHT STRUCTURES, II.
PREREQUISITE: A. A. E. 224.
4 HOURS
01561 LECT-DISC A 9 MTUW F 204 T B
01570 LECT-DISC B 1 MTUW F 204 T B
01588 LECT-DISC C 8 MTUW F 217 M E L

A A E 233 AIRCRAFT PROPULSION.
PREREQUISITE: A. A. E. 212.
3 HOURS
01596 LECT-DISC A 8 M W F 103 T B
01600 LECT-DISC B 11 M W F 103 T B
01618 LECT-DISC C 2 M W F 217 M E L

A A E 241 FLIGHT VEHICLE DESIGN.
PREREQUISITE: A. A. E. 213, 225, 233, 255, C. S. 101.
3 HOURS
01626 LECT-DISC A 1-3 TU TH 202 T B
A 10-12 S 202 T B
01634 LECT-DISC B 3-5 TU TH 103 T B
B 8-10 S 103 T B

A A E 254 AEROSPACE DYNAMIC SYSTEMS, I.
PREREQUISITE: MATH. 345 OR 349.
3 HOURS
01642 LECT-DISC A 10 M W F 217 M E L
01651 LECT-DISC B 2 M W F 103 T B

A A E 255 AEROSPACE DYNAMIC SYSTEMS, II.
PREREQUISITE: A. A. E. 254.
4 HOURS
01669 LECT-DISC A 10 MTUW F 103 T B
01677 LECT-DISC B 11 MTUW F 217 M E L
01685 LECT-DISC C 2 MTUW F 204 T B

A A E 260 AEROSPACE LABORATORY, I.
PREREQUISITE: A. A. E. 213, 225, 233 AND 255.
2 HOURS

01693	LECT-DISC	L1	2	TU	103	T B	
	LAB	L1	3-5	M	111	AERO LAB B	
01707	LECT-DISC	L2	2	TU	103	T B	
	LAB	L2	3-5	TU	111	AERO LAB B	
01715	LECT-DISC	L3	2	TU	103	T B	
	LAB	L3	3-5	TH	111	AERO LAB B	
01723	LECT-DISC	L4	1	TH	103	T B	
	LAB	L4	3-5	M	111	AERO LAB B	
01731	LECT-DISC	L5	1	TH	103	T B	
	LAB	L5	3-5	TU	111	AERO LAB B	
01740	LECT-DISC	L6	1	TH	103	T B	
	LAB	L6	3-5	TH	111	AERO LAB B	
01758	LECT-DISC	L7	2	TH	103	T B	
	LAB	L7	3-5	M	111	AERO LAB B	
01766	LECT-DISC	L8	2	TH	103	T B	
	LAB	L8	3-5	TU	111	AERO LAB B	
01774	LECT-DISC	L9	2	TH	103	T B	
	LAB	L9	3-5	TH	111	AERO LAB B	

A A E 263 AEROSPACE LABORATORY, II.
PREREQUISITE: A. A. E. 260.

2 HOURS
01782 LAB A ARR 111 AERO LAB B

A A E 292 SEMINAR.
PREREQUISITE: SENIOR STANDING.

1 HOUR

01791	DISC	A	8	TU	103	T B
01804	DISC	B	10	TU	217	M E L
01812	DISC	C	8	TH	204	T B
01821	DISC	D	9	TH	204	T B
01839	DISC	E	10	TH	103	T B
01847	DISC	F	11	TH	203	T B

A A E 296 HDNORS PROJECT.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.

1 TO 4 HOURS
01855 CONF EA ARR

A A E 297 HDNORS SEMINAR.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.

1 TO 4 HOURS
01863 CONF EA ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

A A E 313 AERODYNAMICS OF INCOMPRESSIBLE FLUIDS.
PREREQUISITE: A. A. E. 213 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.

3 HOURS, OR 3/4 OR 1 UNIT
01871 LECT-DISC A 8 M W F 203 T B

A A E 316 ATMOSPHERIC FLIGHT PERFORMANCE.
PREREQUISITE: A. A. E. 213 AND 233, OR CONSENT OF INSTRUCTOR.

3 HOURS, OR 3/4 OR 1 UNIT
01880 LECT-DISC A 9 M W F 203 T B SIVIER

A A E 327 THERMAL STRESSES AND CREEP BUCKLING.
PREREQUISITE: A. A. E. 326 OR CONSENT OF INSTRUCTOR.

3 HOURS OR 1 UNIT
01898 LECT-DISC A 10 M W F 204 T B ZAK

A A E 391 SPECIAL PROBLEMS.
PREREQUISITE: SENIOR STANDING IN ENGINEERING, CONSENT OF INSTRUCTOR.

2 TO 4 HOURS, OR 1/2 OR 1 UNIT

01901	LECT-DISC	A	ARR			
01910	LECT-DISC	B	ARR			
01928	LECT-DISC	C	1	M W F	202	T B
01936	LECT-DISC	D	10	M W F	203	T B

SENTMAN
STREHLOW

COURSES FOR GRADUATES

A A E 415	WING THEORY.							
	PREREQUISITE: MATH 346 OR EQUIVALENT.							
	1 UNIT							
01944	LECT-DISC	A	9-1015	M W	214	CER		ORMSBEE
A A E 416	HYPERSONIC AERODYNAMICS.							
	PREREQUISITE: A. A. E. 411.							
	1 UNIT							
01952	LECT-DISC	A	11-1215	M W	204	T B		ORMSBEE
A A E 418	THEORY OF RAREFIED GAS FLOWS.							
	PREREQUISITE: PHYCS. 362 OR A. A. E. 417.							
	1 UNIT							
01961	LECT-DISC	A	2	M W F	202	T B		YEN
A A E 429	THEORY OF LINEAR AND NONLINEAR VISCOELASTICITY.							
	PREREQUISITE: A. A. E. 326 OR CONSENT OF INSTRUCTOR.							
	1 UNIT							
01979	LECT-DISC	A	8	M W F	204	T B		HILTON
A A E 434	AERODYNAMIC HEATING.							
	PREREQUISITE: A. A. E. 414 OR EQUIVALENT.							
	1 UNIT							
01987	LECT-DISC	A	11	M W F	214	CER		YEN
A A E 453	STOCHASTIC PROCESSES IN ENGINEERING.							
	SAME AS E. E. 438.							
	PREREQUISITE: A. A. E. 452, E. E. 434 OR EQUIVALENT.							
	1 UNIT							
01995	LECT-DISC	A	10-1130	TU TH	204	T B		LIN
A A E 490	SEMINAR.							
	PREREQUISITE: GRADUATE STANDING IN AERONAUTICAL AND ASTRONAUTICAL ENGINEERING.							
	0 CREDIT							
02001	CONF	A	4	F	103	T B		SENTMAN
A A E 493	SPECIAL PROBLEMS.							
	1 OR 2 UNITS							
02010	CONF	A	ARR					STAFF
A A E 499	THESIS RESEARCH.							
	0 TO 4 UNITS							
02028	CONF	A	ARR					STAFF
02036	CONF	CEB	ARR					BONO
02044	CONF	HOB	ARR					BARTHEL
02052	CONF	JAB	ARR					BENNETT
02061	CONF	BLH	ARR					HICKS
02079	CONF	HHH	ARR					HILTON
02087	CONF	HWK	ARR					KNOEBEL
02095	CONF	HK	ARR					KRIER
02109	CONF	YKL	ARR					LIN
02117	CONF	RWM	ARR					MCCLOY
02125	CONF	AIO	ARR					ORMSBEE
02133	CONF	JEP	ARR					PRUSSING
02141	CONF	RRR	ARR					REGL
02150	CONF	SNR	ARR					ROSCOE
02168	CONF	LHS	ARR					SENTMAN
02176	CONF	KRS	ARR					SIVIER
02184	CONF	RAS	ARR					STREHLOW
02192	CONF	HSS	ARR					STILLWELL
02206	CONF	WV	ARR					VAN TASSELL
02214	CONF	SHY	ARR					YEN
02222	CONF	ARZ	ARR					ZAK

AGRICULTURAL ECONOMICS
INCLUDING RURAL SOCIOLOGY

DEPARTMENT OFFICE

305 M H

COURSES FOR UNDERGRADUATES

AG EC 100 INTRODUCTORY AGRICULTURAL ECONOMICS.

3 HOURS

02231	LECT-DISC	B1	9	M	W	F	153	A	S	L
02249	LECT-DISC	B2	9	M	W	F	316N	M	H	
02257	LECT-DISC	C	10	M	W	F	313	M	H	

AG EC 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

WORK MAY BE TAKEN IN THE FOLLOWING AREAS:

SECTION A: AGRICULTURAL POLICY DEBATE.

SECTION B: AGRICULTURAL BUSINESS ACCOUNTING AND ORGANIZATION.

CONSENT OF INSTRUCTOR IS REQUIRED FOR SECTION A.

02273	CONF	A	ARR							
02265	CONF	B	2	TU	TH		316S	M	H	

MUELLER AND
KRAUSZ

COURSES FOR ADVANCED UNDERGRADUATES

AG EC 200 PROBLEMS IN AGRICULTURAL ECONOMICS.

PREREQUISITE: MINIMUM GRADE-POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT.

SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.

1 TO 5 HOURS

WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:

A--AGRICULTURAL MARKETING AND PRICES

B--STATISTICAL ANALYSIS

C--FARM MANAGEMENT AND LAND ECONOMICS

D--RURAL ORGANIZATION

E--AGRICULTURAL LAW

F--AGRICULTURAL POLICY AND ECONOMIC DEVELOPMENT

G--AGRICULTURAL FINANCE

*SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.

02290	CONF	A	ARR							
02303	CONF	B	ARR							
02311	CONF	C	ARR							
02320	CONF	D	ARR							
02338	CONF	E	ARR							
02346	CONF	F	ARR							
02354	CONF	G	ARR							
02281	CONF	*6B	ARR							

AG EC 203 FARM TAXATION.

2 HOURS

02362	LECT-DISC	M	9	TU	TH	242	BEV HALL	BOCK
02371	LECT-DISC	P	11	TU	TH	242	BEV HALL	KRAUSZ

AG EC 220 FARM MANAGEMENT.

PREREQUISITE: AG. EC. 100 OR ECON. 108.

FIELD TRIPS, ESTIMATED EXPENSE, \$3.

3 HOURS

02389	LECT-DISC	A	8	M	W	F	316N	M	H
02397	LECT-DISC	B	9	M	W	F	316S	M	H
02401	LECT-DISC	C	10	M	W	F	316N	M	H
02419	LECT-DISC	D	11	M	W	F	320	M	H

AG EC 230 MARKETING OF AGRICULTURAL PRODUCTS.

FIELD TRIP, ESTIMATED EXPENSE, \$3.

3 HOURS

02427	LECT-DISC	F	2	M	W	F	313	M	H
02435	LECT-DISC	G	3	M	W	F	313	M	H

LEUTHOLD
LEUTHOLD

AG EC 238 DISTRIBUTION OF FARM SUPPLIES.
 PREREQUISITE: ACCY. 101 OR 201 AND ECON. 102 OR 108.
 3 HOURS
 02443 LECT-DISC N 10-12 TU 405 M H MUTTI
 N 10 TH 405 M H

AG EC 273 RECREATION IN RURAL AREAS.
 SAME AS REC. 273.
 PREREQUISITE: REC. 100 OR SOC. 100 OR R. SOC. 117.
 FIELD TRIPS, ESTIMATED EXPENSE, \$15.00.
 2 HOURS
 02451 LECT-DISC L 8 TU TH 405 M H REGNIER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG EC 302 FINANCING AGRICULTURE.
 PREREQUISITE: ECON. 102 AND 103, OR 108.
 3 HOURS, OR 3/4 OR 1 UNIT
 02460 LECT-DISC C 10 M W F 405 M H HOPKIN

AG EC 303 AGRICULTURAL LAW.
 PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 3/4 OR 1 UNIT
 02478 LECT-DISC D 11 M W F W115 T H HANNAH
 02486 LECT-DISC E 1 M W F 316N M H KRAUSZ

AG EC 305 AGRICULTURAL POLICIES AND PROGRAMS.
 PREREQUISITE: ECON. 108.
 FIELD TRIP, COST, \$10.00.
 3 HOURS, OR 3/4 OR 1 UNIT
 02494 LECT-DISC P 11 TU 316S M H SPITZE
 P 10-12 TH 316S M H

AG EC 312 FARM APPRAISALS.
 SAME AS AGRON. 312.
 PREREQUISITE: AGRON. 101, AG. EC. 220 OR THEIR EQUIVALENT.
 FIELD TRIPS, ESTIMATED EXPENSE, \$10.00.
 5 HOURS, OR 3/4 OR 1 UNIT
 02508 LECT-DISC B 9 M W F 313 M H REISS
 B 8-12 S 313 M H

AG EC 324 FARM OPERATION.
 PREREQUISITE: AG. EC. 220.
 FIELD TRIPS, ESTIMATED EXPENSE, \$5.
 3 HOURS, OR 3/4 OR 1 UNIT
 02516 LECT-DISC B 9 M W F 405 M H VAN ARSDALL
 02524 LECT-DISC D 11 M W F 405 M H WILLS

AG EC 326 PROFESSIONAL FARM MANAGEMENT.
 PREREQUISITE: CREDIT OR REGISTRATION IN AG. EC. 324, AG. EC. 325.
 FIELD TRIPS, ESTIMATED EXPENSE, \$25.00.
 3 HOURS, OR 3/4 OR 1 UNIT
 02532 LECT-DISC A 8 M W F 405 M H SMITH AND
 HOLCOMB

AG EC 332 LIVESTOCK MARKETING.
 SAME AS AN. S. 332.
 PREREQUISITE: ECON. 108, AG. EC. 230 OR AN ELEMENTARY MARKETING
 COURSE.
 FIELD TRIP, ESTIMATED EXPENSE, \$15.00.
 3 HOURS, OR 3/4 OR 1 UNIT
 02541 LECT 2 F W109 T H BROADBENT
 02559 DISC F 2 M W 153 A S L BROADBENT
 02567 DISC G 3 M W 153 A S L BROADBENT

AG EC 334 MARKETING OF DAIRY PRODUCTS.
 SAME AS D. S. 334.
 PREREQUISITE: AG. EC. 230, OR AN ELEMENTARY MARKETING COURSE OR
 TWELVE HOURS OF DAIRY SCIENCE OR DAIRY TECHNOLOGY.
 INSPECTION TRIP, ESTIMATED EXPENSE, \$5.
 3 HOURS, OR 3/4 OR 1 UNIT
 02575 LECT-DISC A 8 M W F 316S M H GRUEBELE

AG EC 335	ECONOMICS OF FOOD DISTRIBUTION. SAME AS HORT. 335. PREREQUISITE: ECON. 108, AG. EC. 230 OR AN ELEMENTARY MARKETING COURSE. 3 HOURS, OR 3/4 OR 1 UNIT						
02583	LECT-DISC	O	11	M W F	316N M H	KELLY	
AG EC 337	ECONOMIC HISTORY OF AMERICAN AGRICULTURE. SAME AS ECON. AND HIST. 337. PREREQUISITE: A COLLEGE-LEVEL COURSE IN BASIC ECONOMICS OR AMERICAN HISTORY. *GRADUATE STUDENTS TAKING THIS COURSE FOR ONE UNIT CREDIT ARE REQUIRED TO DO EXTRA WORK. *3 HOURS, OR 3/4 OR 1 UNIT						
02591	LECT-DISC		8-10 9	TU TH	N107 T H N107 T H	GUITHER	
AG EC 342	AGRICULTURAL PRICES. PREREQUISITE: ECON. 102 AND 103, OR 108. 3 HOURS, OR 3/4 OR 1 UNIT						
02605	LECT-DISC	C	10	M W F	316S M H	SCHMIOT	
AG EC 353	ECONOMIC DEVELOPMENT IN INDIA AND SOUTHEAST ASIA. SAME AS ECON. 353. PREREQUISITE: ECON. 103, 108, OR CONSENT OF INSTRUCTDR. 3 HOURS, OR 1/2 OR 1 UNIT						
02613	LECT-DISC	A	9	M W F	20 COM W	CUMMINGS	
AG EC 354	ECONOMIC DEVELOPMENT OF TROPICAL AFRICA. SAME AS ECON. 354. PREREQUISITE: ECON. 103 OR 108, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT						
02621	LECT-DISC	A	8	M W F	20 COM W	DUE	
COURSES FOR GRADUATES							
AG EC 401	INTERNATIONAL COMPARATIVE AGRICULTURE. 1 UNIT						
02630	LECT-DISC	F	2	M F	405 M H	DOVRING	
AG EC 404	ECONOMICS OF AGRICULTURAL PRODUCTION. PREREQUISITE: ECON. 200 OR 300, AND AG. EC. 341 OR CONSENT OF INSTRUCTOR. 1 UNIT						
02648	LECT-DISC	L	830-10	TU TH	316S M H	SWANSON	
AG EC 436	PROBLEMS IN MARKETING AGRICULTURAL PRODUCTS. 1 UNIT						
02656	LECT-DISC	R	130-3	TU TH	313 M H	BRINEGAR AND HILL	
AG EC 491	SEMINAR AND SPECIAL TOPICS. ALL GRADUATE STUDENTS MAJORING IN AGRICULTURAL ECONOMICS MUST REGISTER IN THE NON-CREDIT SECTION OF THIS COURSE. 0 TO 2 UNITS SECTION A IS FOR STUDENTS NOT ENROLLED FOR CREDIT. SECTION B IS FOR STUDENTS RECEIVING INDIVIDUAL INSTRUCTION. SECTION C IS FOR STUDENTS RECEIVING GROUP INSTRUCTION.						
02664	LECT-DISC	A	3-5	TH	405 M H	STAFF	
02672	CONF	B	ARR			STAFF	
02681	LECT-DISC	C	ARR			STAFF	
AG EC 499	THESIS RESEARCH. 0 TO 4 UNITS						
02699	CONF		ARR			STAFF	

RURAL SOCIOLOGY
DEPARTMENT OF AGRICULTURAL ECONOMICS.

COURSES FOR UNDERGRADUATES

R SOC 117 INTRODUCTION TO RURAL SOCIOLOGY.
*NO CREDIT TO STUDENTS WITH CREDIT IN SOC. 100.
*3 HOURS
02702 LECT-DISC B 9 M W F 320 M H FOLSE

R SOC 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
02711 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

R SOC 270 POPULATION AND HUMAN ECOLOGY.
SAME AS SOC. 270.
PREREQUISITE: SOC. 100 OR 151, OR R. SOC. 117, JUNIOR STANDING.
3 HOURS
02729 LECT-DISC F 2 M W 442 M H FOLSE
F 3 W 442 M H

R SOC 277 RURAL SOCIAL CHANGE.
SAME AS SOC. 277.
PREREQUISITE: SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, \$5.
3 HOURS
02737 LECT-DISC D 11 M W F 313 M H VAN ES

COURSES FOR GRADUATES

R SOC 487 SPECIAL PROBLEMS IN RURAL SOCIOLOGY.
SAME AS SOC. 487.
PREREQUISITE: ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY,
CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
02745 CONF ARR STAFF

AGRICULTURAL ENGINEERING
INCLUDING AGRICULTURAL MECHANIZATION

DEPARTMENT OFFICE 245 AGR ENG

COURSES FOR UNDERGRADUATES

AG E 156 SURVEYING AND SOIL AND WATER ENGINEERING.
PREREQUISITE: SOPHOMORE STANDING IN ENGINEERING.
3 HOURS
02753 LECT-DISC A 1 M W F W109 T H
02761 LAB 1 2-5 TU 218 AGR ENG
02770 LAB 2 9-12 TH 209 AGR ENG
02788 LAB 3 2-5 TH 209 AGR ENG

AG E 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 02796 CNDF

ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES

AG E 236 MACHINE CHARACTERISTICS AND MECHANISMS.
 PREREQUISITE: T. A. M. 211 AND CREDIT OR REGISTRATION IN C. S. 101
 AND MATH. 345.
 3 HOURS

02800	LECT	A	9	TU TH	240	AGR ENG	HOAG
02818	LAB	1	10-12	TU	132	AGR ENG	
02826	LAB	2	10-12	TH	132	AGR ENG	
02834	LAB	3	10-12	F	132	AGR ENG	

AG E 296 HONORS PROJECT.
 PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.
 1 TO 4 HOURS

02842	CONF	EA	ARR				LANHAM & STAFF
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AG E 298 UNDERGRADUATE SEMINAR.
 PREREQUISITE: JUNIOR STANDING IN ENGINEERING.
 3 DAY FIELD TRIP REQUIRED.
 1 HOUR

02851	DISC	A	3	F	240	AGR ENG	LANHAM
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AG E 299 UNDERGRADUATE THESIS.
 PREREQUISITE: AG. E. 298 AND SENIOR STANDING IN ENGINEERING.
 2 TO 4 HOURS
 EB IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A
 MINIMUM GRADE POINT OF 4.250.

02869	CONF	A	ARR				LANHAM & STAFF
02877	CONF	EB	ARR				

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG E 311 INSTRUMENTATION AND MEASUREMENTS.
 SAME AS M. E. 311.
 PREREQUISITE: SENIOR STANDING IN ENGINEERING OR SCIENCE.
 3 OR 4 HOURS, OR 3/4 DR 1 UNIT

02885	LECT-DISC		8	M W F	135	M E B	STROUT
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AG E 336 DESIGN OF AGRICULTURAL MACHINERY.
 PREREQUISITE: M. E. 224 AND AG. E. 236.
 3 HOURS OR 3/4 UNIT

02893	LECT-DISC		2	M W F	209	AGR ENG	HUNT
	LAB		3-5	M W	209	AGR ENG	

AG E 340 INTRODUCTION TO APPLIED STATISTICS.
 SAME AS AGRON., AN. S., D. S., F. S., FOR., HORT., AND
 V. M. S. 340.

PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.
 4 HOURS OR 3/4 UNIT

02907	LECT		9	TU TH	W109	T H	SEIF
02915	LAB-DISC	1	1-3	M	N107	T H	
02923	LAB-DISC	2	3-5	M	W223	T H	
02931	LAB-DISC	3	1-3	TU	W223	T H	
02940	LAB-DISC	4	3-5	TU	W223	T H	

AG E 356 SOIL CONSERVATION STRUCTURES.
 PREREQUISITE: T. A. M. 235, AG. E. 277, OR EQUIVALENT.
 3 HOURS OR 3/4 UNIT

02958	LECT		2	M	F	218	AGR ENG	LEMBKE
	LAB		2-5		W	132	AGR ENG	

AG E 387 AGRICULTURAL PROCESS ENGINEERING.
 PREREQUISITE: AG. E. 286 OR CH. E. 363.
 3 HOURS OR 3/4 UNIT

02966	LECT		1	W	F	221	AGR ENG	SHOVE
	LAB		3-5	TU		221	AGR ENG	

AG E 396 SPECIAL PROBLEMS.
 PREREQUISITE: SENIOR STANDING IN ENGINEERING.
 1 TO 4 HOURS, OR 1/4 TO 1 UNIT
 *SECTION P: AIR POLLUTION SEMINAR.
 02974 CONF A ARR LANHAM & STAFF
 02982 CONF *P 3-5 W 305 E H JONES

COURSES FOR GRADUATES

AG E 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AGRON., AN. S., D. S., F. S., FOR., HORT.,
 AND V. M. S. 440.
 PREREQUISITE: AGRON. 340 OR EQUIVALENT.
 3/4 UNIT
 02991 LECT 9 M W W109 T H SEIF & WALKER
 03007 LAB-DISC 1 3-5 TH W223 T H
 03015 LAB-DISC 2 1-3 F W121 T H

AG E 441 ADVANCED DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AGRON. 441.
 PREREQUISITE: AGRON. 440 OR EQUIVALENT.
 1/2 UNIT
 03023 LECT-DISC 10-12 TU TH N107 T H CARMER

AG E 446 DYNAMICS OF TILLAGE, TRACTION, AND EARTHMOVING.
 PREREQUISITE: B. S. DEGREE IN ENGINEERING OR CONSENT OF INSTRUCTOR.
 1 UNIT
 03031 LECT-DISC A 9 M W F 132 AGR ENG WEBER

AG E 490 SEMINAR.
 1/4 UNIT
 03040 DISC ARR GRADUATE STAFF

AG E 496 PROBLEMS IN AGRICULTURAL ENGINEERING.
 PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
 1 UNIT
 03058 CONF ARR LANHAM AND
 GRADUATE STAFF

AG E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 03066 CONF B1 ARR BEATY
 03074 CONF B2 ARR BUTLER
 03082 CONF C ARR CURTIS
 03091 CONF D ARR DAY
 03104 CONF H1 ARR HALL
 03112 CONF H2 ARR HANSEN
 03121 CONF H3 ARR HUNT
 03139 CONF J ARR JONES
 03147 CONF L1 ARR LANHAM
 03155 CONF L2 ARR LEMBKE
 03163 CONF O ARR OLVER
 03171 CONF P ARR PUCKETT
 03180 CONF S1 ARR SIEMENS
 03198 CONF S2 ARR SHOVE
 03201 CONF W ARR WEBER
 03210 CONF Y ARR YOERGER

AGRICULTURAL MECHANIZATION
DEPARTMENT OF AGRICULTURAL ENGINEERING

COURSES FOR UNDERGRADUATES

AG M	100	ENGINEERING APPLICATIONS IN AGRICULTURE. PREREQUISITE: MATH. 111, 112, 104 OR EQUIVALENT. 3 HOURS									
	03228	LECT	A	10	M	F	240	AGR ENG			
	03236	LAB-DISC	1	3-5	M		132	AGR ENG			
	03244	LAB-DISC	2	1-3	TU		132	AGR ENG			
	03252	LAB-DISC	3	10-12	W		132	AGR ENG			
	03261	LAB-DISC	4	1-3	TH		132	AGR ENG			
AG M	112	TRACTORS AND FIELD MACHINERY. PREREQUISITE: SOPHOMORE STANDING, ENROLLMENT IN TEACHER TRAINING OR AGRICULTURAL EXTENSION CURRICULUM, OR CONSENT OF INSTRUCTOR. INSPECTION TRIP, ESTIMATED EXPENSE, \$3. *CREDIT NOT GIVEN TO STUDENTS WITH CREDIT IN AG. M. 221. *3 HOURS									
	03279	LECT	A	1	W	F	240	AGR ENG		BUTLER	
	03287	LAB	1	8-10	TU		132	AGR ENG			
	03295	LAB	2	3-5	TU		132	AGR ENG			
AG M	199	UNDERGRADUATE OPEN SEMINAR. *MAY BE REPEATED. *0 TO 9 HOURS									
	03309	CONF		ARR						STAFF	

COURSES FOR ADVANCED UNDERGRADUATES

AG M	200	AGRICULTURAL MECHANICS SHOP: CONSTRUCTION TECHNOLOGY. PREREQUISITE: JUNIOR STANDING, ENROLLED IN TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR. 3 HOURS *10-WEEK COURSE FOR STUDENTS ENROLLED IN PRACTICE TEACHING ONLY.										ESPENSCHIED
	03317	LAB	*1	1-3	MTU TH	VOC	AGR SHOP					
AG M	201	AGRICULTURAL MECHANICS SHOP: ELECTRICAL AND METAL WORK. PREREQUISITE: JUNIOR STANDING, ENROLLED IN TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR. 3 HOURS										ESPENSCHIED
	03325	LECT	A	3		F	132	AGR ENG				
		LAB	A	3-5	M W		VOC	AGR SHOP				
AG M	241	FARM TRACTOR POWER. PREREQUISITE: AG. M. 112 OR 221. 3 HOURS										YOERGER
	03333	LECT	A	10	TU TH		218	AGR ENG				
		LAB	A	3-5	TH		132	AGR ENG				
AG M	252	MECHANICS OF SOIL AND WATER CONSERVATION. PREREQUISITE: AG. M. 100 OR 200. 3 HOURS										
	03341	LECT	A	11	TU TH		218	AGR ENG				
		LAB	A	2-5	TU		209	AGR ENG				
AG M	272	FARM BUILDINGS. PREREQUISITE: AG. M. 100 OR 200. 3 HOURS										CURTIS
	03350	LECT	A	10	M	F	218	AGR ENG				
		LAB	A	10-12	W		209	AGR ENG				

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG M 300 SPECIAL PROBLEMS.

PREREQUISITE: MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND SPECIAL PROBLEMS COURSE.

1 TO 4 HOURS, OR 1/4 TO 1 UNIT

*SECTION 8B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.

03368	CONF	A	ARR
03376	CONF	*EB	ARR

LANHAM & STAFF

AG M 361 DEVELOPMENT AND FUNCTION OF FAMILY HOUSING.

SAME AS H. EC. 361.

3 HOURS OR 3/4 UNIT

03384	LECT	A	11	M	W		240	AGR	ENG	HANSEN
	LAB	A	10-12			F	209	AGR	ENG	

881 ELECTRO-MECHANICAL AGRICULTURAL SYSTEMS.
PREREQUISITE: AG. M. 281 OR GRADUATE STANDING IN AGRICULTURE

3 HOURS OR 3/4 UNIT									
03392	LECT	A	1	TU TH	221	AGR	ENG		HALL
	LAB	A	2-4	TH	221	AGR	ENG		

AGRICULTURE

COURSES FOR UNDERGRADUATES

AGR 100 LECTURES FOR FRESHMEN IN AGRICULTURE.

REQUIRED OF ALL FRESHMEN IN AGRICULTURE.

0 CREDIT

03406	LECT-OISC	1	TU	316S M H	GARDNER
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AGR 114 AGRICULTURAL JOURNALISM.

SAME AS JOURN. 114.

3 HOURS

03414	LECT-DISC		10	TU TH	313	M H	EVANS AND
03422	LAB	R	1	TH	442	M H	SHENTON
03431	LAB	S	2	TH	442	M H	

[illegible]

AGR 190 HONORS SEMINAR: INTERNATIONAL PROBLEMS AS RELATED TO AGRICULTURE.

SAME AS H. EC. 190.

PREREQUISITE: SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM
IN AGRICULTURE, HOME ECONOMICS, AND RELATED SCIENCES.

2 HOURS

03449 LECT-OISC & I-3 TU 316N M H

AGR 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

TOPIC: FUNCTIONAL COMMUNICATIONS. 1 OR 2 HOURS.

03457	LAB-DISC	A	9	TU TH	316N	M H	STEELE
03465	LAB-DISC	B	10	TU TH	153	A S L	LITSCH
03473	LAB-DISC	C	3	M W	405	M H	LITSCH

[illegible]

COURSES FOR ADVANCED UNDERGRADUATES

AGR 206 COOPERATIVE EXTENSION WORK.

PREREQUISITE: AGR. 114 AND A COURSE IN SOCIOLOGY OR CONSENT OF INSTRUCTOR.

3 HOURS

03481	LECT-DISC	10	TU TH	316N M H	ANDERSON AND
		11	TH	316N M H	KATSER

AGR 214 ADVANCED AGRICULTURAL JOURNALISM.
 SAME AS JOURN. 214.
 PREREQUISITE: AGR. 114 OR CONSENT OF INSTRUCTOR.
 3 HOURS

03490	LECT-DISC	9	TU TH	442	M H	DAHL
	LAB	8	TU	442	M H	

AGRONOMY

DEPARTMENT OFFICE W201 T H

COURSES FOR UNDERGRADUATES

AGRON 101 INTRODUCTORY SOILS.
 PREREQUISITE: CHEM. 101, 111, OR FORMER 102; CREDIT OR
 REGISTRATION IN GEOL. 105.
 4 HOURS

03503	LECT	A	10	M W F	W109	T H	STAFF
03511	LECT	8	11	M W F	W109	T H	
03520	LAB	1	1-4	M	W 1	T H	
03538	LAB	2	1-4	TU	W 1	T H	
03546	LAB	3	1-4	W	W 1	T H	
03554	LAB	4	9-12	TH	W 1	T H	
03562	LAB	5	1-4	TH	W 1	T H	

AGRON 110 PLANT AND ANIMAL GENETICS.
 SAME AS AN. S., D. S., AND HORT. 110.
 PREREQUISITE: BIDL. 110 AND 111 OR BOT. 100 (OR BOT. 101)
 AND ZOOL. 104.
 3 HOURS

03571	LECT		2	M W	W109	T H	ALEXANDER
03589	LAB	1	1-3	TU	W 13	T H	
03597	LAB	2	3-5	TU	W 13	T H	
03601	LAB	3	1-3	TH	W 13	T H	

AGRON 121 PRINCIPLES OF FIELD CROP SCIENCE.
 4 HOURS

03619	LECT		8	M W F	W109	T H	BURGER
03627	LAB	1	10-12	TU	W 13	T H	
03635	LAB	2	1-3	W	W 13	T H	
03643	LAB	3	3-5	W	W 13	T H	
03651	LAB	4	10-12	TH	W 13	T H	

AGRON 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS

03660	CONF		ARR		T H	STAFF
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COURSES FOR ADVANCED UNDERGRADUATES

AGRON 290 UNDERGRADUATE AGRONOMY SEMINAR.
 PREREQUISITE: SENIOR STANDING.
 1 HOUR

03678	DISC		4	TH	N107	T H	BURGER
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AGRON 300 ADVANCED SPECIAL PROBLEMS.
 PREREQUISITE: MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS
 ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD
 OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS
 REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD
 SPECIAL PROBLEMS COURSE.
 *CREDIT IS NOT GIVEN TO GRADUATE STUDENTS MAJORING IN AGRONOMY.
 *1 TO 5 HOURS, OR 1/2 UNIT TO 2 UNITS
 SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A
 MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION
 WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF
 INSTRUCTOR.

03686	LAB-DISC	A	ARR			STAFF
03694	LAB-DISC	6B	ARR			STAFF

AGRON 301 SOIL SURVEY, WITH EMPHASIS ON ILLINOIS SOILS.

PREREQUISITE: AGRON. 101.

FIELD TRIPS, ESTIMATED EXPENSE \$10.

*CREDIT IS NOT GIVEN TOWARD PH.D. FOR MAJOR OR SOLE MINOR IN AGRONOMY-SOILS.

*3 HOURS OR 3/4 UNIT

03708	LECT		1	M	W	W223	T	H	
03716	LAB	1	1-3		F	W223	T	H	ODELL
03724	LAB	2	8-10		S	W223	T	H	

AGRON 304 SOIL MANAGEMENT AND CONSERVATION.

PREREQUISITE: AGRON. 101.

*CREDIT IS NOT GIVEN FOR AGRON. 304 AND AGRON. 309 AND 310. CREDIT IS NOT GIVEN TOWARD PH.D. FOR MAJOR OR SOLE MINOR IN AGRONOMY-SOILS.

*3 HOURS OR 3/4 UNIT

03732	LECT		9	M	W	F	W115	T	H	OSCHWALD
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AGRON 310 INTERMEDIATE SOIL SCIENCE, II.

PREREQUISITE: AGRON. 101; BOT. 100 OR 101; CHEM. 122 AND 133;

TWO 200 OR 300 LEVEL COURSES IN PLANT SCIENCE; CREDIT OR

REGISTRATION IN PHYS. 102 AND MATH. 132 OR 133.

*CREDIT IS NOT GIVEN FOR AGRON. 310 IN ADDITION TO AGRON. 303 AND 304.

*5 HOURS OR 1 UNIT

03741	LECT		2-4	M	W	N309	T	H		
	LAB		2-5		F	W	1	T	H	MELSTED

AGRON 312 FARM APPRAISALS.

SAME AS AG. EC. 312.

PREREQUISITE: AGRON. 101 AND AG. EC. 220, OR EQUIVALENT.

FIELD TRIPS, ESTIMATED EXPENSE, \$10.00.

5 HOURS, OR 3/4 OR 1 UNIT

03759	LECT-DISC	B	9	M	W	F	313	M	H	
		B	8-12			S	313	M	H	REISS

AGRON 322 FORAGE CROPS AND PASTURES.

PREREQUISITE: AGRON. 121.

3 HOURS OR 3/4 UNIT

03767	LECT-DISC		10	M	W	F	W115	T	H	MILLER D A
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AGRON 340 INTRODUCTION TO APPLIED STATISTICS.

SAME AS AG. E., AN. S., D. S., F. S., FOR., HORT., AND V. M. S. 340.

PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.

4 HOURS OR 3/4 UNIT

03775	LECT		9	TU	TH	W109	T	H	SEIF
03783	LAB-DISC	1	1-3	M		N107	T	H	
03791	LAB-DISC	2	3-5	M		W223	T	H	
03805	LAB-DISC	3	1-3	TU		W223	T	H	
03813	LAB-DISC	4	3-5	TU		W223	T	H	

AGRON 350 CROPS AND MAN.

FIELD TRIP, ESTIMATED COST \$10.00.

3 HOURS OR 3/4 UNIT

03821	LECT-DISC	A	ARR				T	H	HARLAN
03830	LECT-DISC	B	ARR				T	H	

COURSES FOR GRADUATES

AGRON 400 SEMINAR.

REQUIRED OF ALL GRADUATE MAJORS IN AGRONOMY.

PREREQUISITE: GRADUATE STANDING.

0 CREDIT

03848	LAB-DISC	C	3		W	N107	T	H	MILLER D A
03856	LAB-DISC	E	12		TU	N107	T	H	PETERS
03864	LAB-DISC	G	4		W	N107	T	H	DUDLEY
03872	LAB-DISC	PP	12		TH	113	D	H	WIDHOLM
03881	LAB-DISC	S	4		TU	W109	T	H	MILLINGTON

AGRON 405 COLLOIDAL CHEMISTRY OF SOILS.

PREREQUISITE: CHEM. 340 AND 341, OR EQUIVALENT.

1 UNIT

03899	LECT-DISC		ARR				T	H	GIESEKING
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AGRON 422 PASTURE, RANGE, AND SOIL CONSERVATION RESEARCH.
 PREREQUISITE: AGRON. 121, AGRON. 321, OR 322.
 1 UNIT
 03902 LECT-DISC B M W F N107 T H JACKOBS

AGRON 423 CYTOGENETIC AND EVOLUTIONARY BASIS OF PLANT BREEDING.
 PREREQUISITE: AGRON. OR HORT. 323 OR EQUIVALENT OR
 CONSENT OF INSTRUCTOR.
 1 UNIT
 03911 LECT-DISC A 8 W F W115 T H HADLEY
 03929 LECT-DISC B 3-5 TU W121 T H

AGRON 424 MINERAL NUTRITION OF PLANTS.
 SAME AS BOT. AND HORT. 424.
 PREREQUISITE: BOT. 330 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 03937 LECT-DISC A 8 TU TH S W115 T H HAGEMAN
 03945 LECT-DISC B 9 TU TH S W115 T H

AGRON 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E., AN. S., O. S., F. S., FOR., HORT.,
 AND V. M. S. 440.
 PREREQUISITE: AGRON. 340 OR EQUIVALENT.
 3/4 UNIT
 03953 LECT 9 M W W109 T H CARMER, WALKER
 03961 LAB-DISC 1 3-5 TH W223 T H
 03970 LAB-DISC 2 1-3 F W121 T H

AGRON 441 ADVANCED DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E. 441.
 PREREQUISITE: AGRON. 440 OR EQUIVALENT.
 1/2 UNIT
 03988 LECT-DISC 10-12 TU TH N107 T H CARMER

AGRON 442 ENVIRONMENTAL PLANT PHYSIOLOGY.
 SAME AS BOT. 442.
 PREREQUISITE: CHEM. 133, GENERAL PHYSICS, GENERAL OR PLANT
 PHYSIOLOGY AND CONSENT OF INSTRUCTOR.
 3/4 UNIT
 03996 LECT 1 M W F 308 N H B BOYER

AGRON 493 ADVANCED STUDIES IN AGRONOMY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/4 TO 2 UNITS
 WORK MAY BE TAKEN IN THE FOLLOWING FIELDS:
 A--SOIL CHEMISTRY.
 B--SOIL FERTILITY.
 C--SOIL PHYSICS.
 D--SOIL CLASSIFICATION AND PEDOLOGY.
 E--SOIL MINERALOGY.
 F--SOIL MICROBIOLOGY.
 G--PLANT BREEDING AND GENETICS.
 H--PLANT PHYSIOLOGY.
 I--WEED CONTROL.
 J--CROP MORPHOLOGY.
 K--CROP PRODUCTION AND ECOLOGY.
 L--STATISTICAL TECHNIQUES AND DATA PROCESSING.
 04002 CONF A ARR STAFF
 04011 CONF B ARR
 04029 CONF C ARR
 04037 CONF D ARR
 04045 CONF E ARR
 04053 CONF F ARR
 04061 CONF G ARR
 04070 CONF H ARR STAFF
 04088 CONF I ARR
 04096 CONF J ARR
 04100 CONF K ARR
 04118 CONF L ARR

AGRON 499 THESIS RESEARCH.

0 TO 4 UNITS

WORK TO BE TAKEN IN THE FOLLOWING SUBJECTS:

A-SOILS

ALDRICH, BEAVERS, BRAIDS, FEHRENBACHER, GIESEKING,
HINESLY, JONES, KURTZ, MELSTED, R. J. MILLER,
MILLINGTON, MOLINA, ODELL, PETERS, RAY, RUNGE,
STEVENSON, TYNER, WALKER, WELCH.

B-CROPS

ALEXANDER, BERNARD, BROWN, BURGER, CARMER, COOPER,
DEWET, DUOLEY, EARLEY, GERDEMANN, HADLEY, HAGEMAN,
HANSON, HARLAN, HILTIBRAN, HITTLE, HOOKER, HYMOWITZ,
JACKOBS, KNAKE, LAMBERT, LAUGHMAN, LENG, MCGLAMERY,
D. A. MILLER, OGREN, PATTERSON, PENOLETON, RINNE,
SCOTT, SEIF, SLIFE, MAX, WEBER, WEIBEL, WIDHOLM,
WILSON AND WOOLLEY.

04126

CONF

ARR

STAFF

AIR FORCE AEROSPACE STUDIES

DEPARTMENT OFFICE

230 ARMORY

COURSES FOR UNDERGRADUATES

AFAS 100 CORPS TRAINING.

MUST BE TAKEN IN CONJUNCTION WITH OTHER COURSES.

PREREQUISITE: DETERMINED PHYSICALLY FIT BY THE UNIVERSITY, CITIZEN
OF THE UNITED STATES.

NO CREDIT

04134

LAB

A

7PM

W

101

ARMORY

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED OF ALL CADETS.

AFAS 111 FRESHMAN THEORY COURSE: DEFENSE OF THE UNITED STATES.

PREREQUISITE: DETERMINED PHYSICALLY FIT BY THE UNIVERSITY; CITIZEN
OF THE UNITED STATES; CONSENT OF PROFESSOR OF AIR FORCE
AEROSPACE STUDIES.

1 HOUR

NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.

04142

LECT-DISC

ARR

349 ARMORY

AFAS 112 FRESHMAN THEORY COURSE: STRATEGIC OFFENSIVE AND DEFENSIVE
FORCES OF THE UNITED STATES.

AFAS CONTINUATION OF AFAS 111.

PREREQUISITE: AFAS 111 OR CONSENT OF PROFESSOR OF AIR FORCE
AEROSPACE STUDIES.

1 HOUR

NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.

04151

LECT-DISC

E

1

M

349

ARMORY

04169

LECT-DISC

F

2

M

349

ARMORY

04177

LECT-DISC

M

9

TU

349

ARMORY

AFAS 121 SOPHOMORE THEORY COURSE: WORLD MILITARY SYSTEMS, I.

PREREQUISITE: AFAS 112 OR CONSENT OF PROFESSOR OF AIR FORCE
AEROSPACE STUDIES.

1 HOUR

NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.

04185

LECT-DISC

ARR

349

ARMORY

AFAS 122 SOPHOMORE THEORY COURSE: WORLD MILITARY SYSTEMS, II.

AFAS CONTINUATION OF AFAS 121.

PREREQUISITE: AFAS 121 OR CONSENT OF PROFESSOR OF AIR FORCE
AEROSPACE STUDIES.

1 HOUR

NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.

04193

LECT-DISC

E

1

W

349

ARMORY

04207

LECT-DISC

M

9

TH

349

ARMORY

04215

LECT-DISC

N

10

TH

349

ARMORY

COURSES FOR ADVANCED UNDERGRADUATES

THE FOLLOWING AIR FORCE AEROSPACE STUDIES COURSE MAY BE TAKEN UPON APPLICATION BY STUDENTS WHO MEET THE REQUIRED STANDARDS. COMMISSIONS IN THE AIR FORCE RESERVE ARE AWARDED THOSE STUDENTS WHO SATISFACTORILY COMPLETE THE ADVANCED COURSES AND WHO COMPLETE THE ACADEMIC REQUIREMENTS FOR A DEGREE SUBJECT TO ALLOCATIONS OF COMMISSIONS TO BE MADE BY AIR FORCE R.O.T.C. STUDENTS ARE PAID RETAINER PAY, ARE FURNISHED A UNIFORM, AND ARE REQUIRED TO ATTEND A SUMMER ENCAMPMENT BETWEEN THE FIRST AND SECOND YEARS OF THE PROFESSIONAL OFFICER COURSE.

ADVANCED AIR FORCE R.O.T.C. COURSES REQUIRE THREE HOURS OF INSTRUCTION A WEEK.
GENERAL PREREQUISITE: SUCCESSFUL COMPLETION OF THE FRESHMAN AND SOPHOMORE AIR FORCE R.O.T.C. COURSES OR THE SIX-WEEK FIELD TRAINING PROGRAM OR EQUIVALENT TRAINING AS APPROVED BY THE PROFESSOR OF AIR FORCE AEROSPACE STUDIES, PASS OFFICERS TYPE PHYSICAL EXAMINATION, ACHIEVE SATISFACTORY SCORES ON THE AIR FORCE OFFICERS QUALIFICATION TEST, AND ACCEPTANCE BY A BOARD OF AIR FORCE OFFICERS.

AFAS 231 JUNIOR THEORY COURSE: GROWTH AND DEVELOPMENT OF AEROSPACE POWER, I.
PREREQUISITE: COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR FORCE AEROSPACE STUDIES, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR FORCE AEROSPACE STUDIES, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.
3 HOURS
NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.
04223 LECT-DISC ARR 222 ARMORY

AFAS 232 JUNIOR THEORY COURSE: GROWTH AND DEVELOPMENT OF AEROSPACE POWER, II.
PREREQUISITE: COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR FORCE AEROSPACE STUDIES, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR FORCE AEROSPACE STUDIES, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.
3 HOURS
NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.
04231 LECT-DISC B 9 M W F 222 ARMORY
04240 LECT-DISC C 10 M W F 222 ARMORY
04258 LECT-DISC D 11 M W F 222 ARMORY

AFAS 241 SENIOR THEORY COURSE: THE PROFESSIONAL OFFICER, I.
PREREQUISITE: COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR FORCE AEROSPACE STUDIES, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR FORCE AEROSPACE STUDIES, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.
3 HOURS
NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.
04266 LECT-DISC ARR 325 ARMORY

AFAS 242 SENIOR THEORY COURSE: THE PROFESSIONAL OFFICER, II.
PREREQUISITE: COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR FORCE AEROSPACE STUDIES, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR FORCE AEROSPACE STUDIES, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.
3 HOURS
NOTE: AFAS 100 MUST BE TAKEN IN CONJUNCTION WITH THIS COURSE.
04274 LECT-DISC B 9 M W F 325A ARMORY
04282 LECT-DISC C 10 M W F 325A ARMORY
04291 LECT-DISC D 11 M W F 325A ARMORY

AMERICAN CIVILIZATION

MAJOR: STUDENTS WHO ELECT AMERICAN CIVILIZATION AS A MAJOR MUST COMPLETE FORTY SEMESTER HOURS (WHICH SATISFIES BOTH MAJOR AND MINOR REQUIREMENTS FOR GRADUATION) IN COURSES INDICATED BELOW, AT LEAST TWENTY HOURS BEING IN COURSES NUMBERED 300 OR ABOVE. THEY ARE REQUIRED TO MAINTAIN A 3.0 GENERAL AVERAGE AT ALL TIMES, THAT IS, WHEN THE AVERAGE DROPS BELOW THAT LEVEL THE STUDENT SHALL DROP FROM THIS MAJOR. SPECIFICALLY REQUIRED ARE:

1. ENGL. 256, HIST. 151-152, AND EITHER ART 323 OR 324 OR PHIL. 313 (A TOTAL OF FIFTEEN HOURS). EQUIVALENT OR MORE ADVANCED COURSES MAY BE SUBSTITUTED PROVIDED THAT, TAKEN TOGETHER, THEY CONSTITUTE COMPREHENSIVE SURVEYS OF THE THREE FIELDS OF AMERICAN HISTORY, AMERICAN LITERATURE, AND EITHER AMERICAN ART OR AMERICAN PHILOSOPHY. APPROVAL FOR ANY SUCH SUBSTITUTION MUST BE REQUESTED BY A PETITION TO THE DEAN BEARING THE RECOMMENDATION OF THE ADVISOR FOR THE CURRICULUM.

2. AT LEAST SIX HOURS OF ADVANCED WORK IN ENGLISH AND AT LEAST SIX HOURS OF ADVANCED WORK IN HISTORY, CHOSEN FROM THE FOLLOWING COURSES ALL OF WHICH ARE IN THE AMERICAN FIELD: ENGL. 285-286, 287, 316, 352, 353-354, 375-376, HIST. 352, 354, 355, 356, 357-358, 359, 360, 361-362, 363-364, 367-368, 369-370, 371-372, 373-374. SPEECH 366 MAY BE SUBSTITUTED FOR ENGL. 316.

3. AT LEAST SIX HOURS FROM THE FOLLOWING COURSES: ARCH. 215-216, ECON 236, EO. 302, GEOG. 223, POL. S. 150-151, 351, 381, 397, SPCH. 312; OR COURSES LISTED IN THE PRECEDING PARAGRAPHS, IF NOT COUNTED TOWARD THE REQUIREMENTS THEREUNDER.

4. AT LEAST SIX ADDITIONAL HOURS IN ONE OF THE FOLLOWING DEPARTMENTS: ART, ENGLISH, HISTORY, PHILOSOPHY OR POLITICAL SCIENCE CHOSEN FROM COURSES WHICH DEAL WITH NON-AMERICAN ASPECTS OF THE SUBJECT BUT WHICH ARE CLOSELY RELATED TO SPECIFIC COURSES SELECTED UNDER THE PRECEDING REQUIREMENTS, SUCH AS, FOR EXAMPLE, A COURSE DEALING WITH THE SAME PERIOD IN EUROPEAN HISTORY OR IN ENGLISH LITERATURE.

THE COMMITTEE IN CHARGE OF THE CURRICULUM ADVISES EACH STUDENT CONCERNING THESE ADDITIONAL HOURS, ASSUMES RESPONSIBILITY FOR THE STUDENTS REGISTRATION IN THE PROPER COURSES, AND FILES A RECORD OF THE STUDENTS REGISTRATION INDICATING THE SPECIFIC COURSES APPROVED AS SATISFYING THIS REQUIREMENT IN THE OFFICE OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES.

ADVISER--CHAIRMAN OF THE COMMITTEE IN CHARGE--PROFESSOR CLARK C. SPENCE, 359 ARMORY.

MINORS: THIS CURRICULUM HAS BEEN APPROVED AS A MINOR FOR STUDENTS MAJORING IN GEOGRAPHY, HISTORY, POLITICAL SCIENCE, AND SPEECH. A SPLIT MINOR IS NOT AUTHORIZED. NO COURSE COUNTED TOWARD THE STUDENTS MAJOR MAY BE COUNTED TOWARD THE MINOR. THE MINOR CONSISTS OF AT LEAST TWENTY SEMESTER HOURS, INCLUDING THE REQUIRED COURSES HIST. 151-152 AND ENGL. 113-114, AND IN ADDITION:

1. AT LEAST THREE HOURS FROM COURSES LISTED UNDER (2) OF THE REQUIREMENTS FOR THE MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

2. THE REMAINDER, IF ANY, CHOSEN FROM COURSES LISTED UNDER (1) AND (3) OF THE REQUIREMENTS FOR MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

ANIMAL SCIENCE

DEPARTMENT OFFICE

328 M H

COURSES FOR UNDERGRADUATES

AN S	100	INTRODUCTION TO ANIMAL SCIENCE.									
		3 HOURS									
	04304	LECT	A	3	M	F	135	A S L	HARMON AND OTHERS		
		LAB	A	3-5		W	135	A S L			
			A	3-5		W	STOCK PAVILION				
AN S	103	MEAT ANIMAL EVALUATION.									
		PREREQUISITE: AN. S. 100.									
		3 HOURS									
	04312	LECT		1		F	STOCK PAVILION	ROMANS AND HANKES			
		LAB		1-3	M	W	STOCK PAVILION				
AN S	110	PLANT AND ANIMAL GENETICS.									
		SAME AS AGRON., D. S., AND HORT. 110.									
		PREREQUISITE: BIOL. 110 AND 111 OR BOT. 100 (OR BOT. 101)									
		AND ZOOL. 104.									
		3 HOURS									
	04321	LECT		2	M	W	W109	T H	ALEXANDER AND STAFF		
	04339	LAB	1	1-3		TU	W 13	T H			
	04347	LAB	2	3-5		TU	W 13	T H			
	04355	LAB	3	1-3		TH	W 13	T H			

COURSES FOR ADVANCED UNDERGRADUATES

AN S	200	SPECIAL PROBLEMS. PREREQUISITE: MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEMS COURSE. 1 TO 5 HOURS *SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.										
	04363	CONF	A	ARR							STAFF	
	04371	CONF	*6B	ARR								
AN S	201	LIVESTOCK MANAGEMENT. SAME AS D. S. 201. PREREQUISITE: AN. S./O. S. 221 OR AN. S. 325. *ANIMAL AND DAIRY SCIENCE MAJORS DO NOT RECEIVE CREDIT FOR THIS COURSE. *5 HOURS										
	04380	LECT-DISC		11	MTUWTHF		135	A S L			JOHNSON AND SPAHR	
AN S	204	PRINCIPLES OF MEAT TECHNOLOGY. PREREQUISITE: CHEM. 102 (NEW), OR 132, OR 133. FIELD TRIP, ESTIMATED COST \$30. 4 HOURS										
	04398	LAB-DISC		1-5	TU TH		152	C A			ROMANS, ROBSON AND LOHMAN	
AN S	206	HORSE PRODUCTION. PREREQUISITE: AN. S. 220 OR 221 OR EQUIVALENT. 3 HOURS										
	04401	LECT-DISC		3 4	TU TH TU		STOCK PAVILION STOCK PAVILION			ALBERT		
AN S	211	BREEDING ANIMAL EVALUATION. PREREQUISITE: AN. S. 103. 3 HOURS										
	04410	LECT LAB		3 3-5	M W	F	STOCK PAVILION STOCK PAVILION			ALBERT		

AN S 221 ANIMAL NUTRITION.
SAME AS D. S. 221.
PREREQUISITE: CHEM. 102(NEW), 132, OR 133.
*CREDIT IS NOT GIVEN FOR BOTH AN. S. 221 AND 325.
*4 HOURS
04428 LECT-DISC 10 T W T H F 135 A S L BAKER AND DAVIS

AN S 230 COMPARATIVE PHYSIOLOGY OF REPRODUCTION, LACTATION AND GROWTH.
SAME AS D. S. 230.
PREREQUISITE: ZDDL. 104 AND ONE COURSE IN CHEMISTRY.
3 HOURS
04436 LECT 9 T U T H 153 A S L DZIUK AND HAYS
LAB 10-12 T U 414 A S L

AN S 299 SEMINAR.
PREREQUISITE: SENIOR STANDING.
1 HOUR
04444 LECT-DISC 2 T H 121 A S L GARRIGUS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AN S 301 BEEF PRODUCTION.
PREREQUISITE: AN. S. 221, OR EQUIVALENT.
3 HOURS, OR 1/2 OR 3/4 UNIT
04452 LECT 8 M W F 135 A S L HATFIELD

AN S 303 PORK PRODUCTION.
PREREQUISITE: AN. S. 221, OR EQUIVALENT.
3 HOURS OR 3/4 UNIT
04461 LECT A 8 M F 313 M H JENSEN
QUIZ A 8 W 313 M H

AN S 305 GENETICS AND ANIMAL IMPROVEMENT.
SAME AS D. S. 305.
PREREQUISITE: AN. S. 110 OR EQUIVALENT.
3 HOURS OR 3/4 UNIT
04479 LECT 10 M W 153 A S L RASMUSEN AND TOUCHBERRY
DISC 10 F 153 A S L

AN S 320 NUTRITION AND DIGESTIVE PHYSIOLOGY OF RUMINANTS.
SAME AS D. S. 320.
PREREQUISITE: D. S./AN. S. 221.
3 HOURS OR 3/4 UNIT
04487 LECT 9 M W F N107 T H DAVIS & HINDS

AN S 325 PRINCIPLES OF ANIMAL NUTRITION.
PREREQUISITE: CHEM. 354 OR CHEM. 350 AND 355.
*CREDIT NOT ALLOWED FOR AN. S. 325 IN ADDITION TO CREDIT IN AN. S./D. S. 221.
*5 HOURS OR 1 1/4 UNITS
04495 LECT 10 M W F 253 V M OWENS
LAB-DISC 1 T U 253 V M
04509 LAB A 8-10 T U 266 V M
04517 LAB B 8-10 T H 266 V M

AN S 332 LIVESTOCK MARKETING.
SAME AS AG. EC. 332.
PREREQUISITE: ECON. 108, AG. EC. 230, OR AN ELEMENTARY MARKETING COURSE.
FIELD TRIP, ESTIMATED EXPENSE \$15.00.
3 HOURS, OR 3/4 OR 1 UNIT
04525 LECT 2 F W109 T H BROADBENT
04533 DISC F 2 M W 153 A S L
04541 DISC G 3 M W 153 A S L

AN S 340 INTRODUCTION TO APPLIED STATISTICS.
 SAME AS AG. E., AGRON., D. S., F. S., FOR., HORT., AND
 V. M. S. 340.

PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.

4 HOURS OR 3/4 UNIT

04550	LECT		9	TU TH	W109	T H	SEIF
04568	LAB-DISC	1	1-3	M	N107	T H	
04576	LAB-DISC	2	3-5	M	W223	T H	
04584	LAB-DISC	3	1-3	TU	W223	T H	
04592	LAB-DISC	4	3-5	TU	W223	T H	

AN S 350 WORLD ANIMAL AGRICULTURE.

SAME AS D. S. 350.

PREREQUISITE: CONSENT OF INSTRUCTOR.

3 HOURS OR 3/4 UNIT

04606	LECT		8	M W F	121	A S L	KASTELIC AND BROWN
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COURSES FOR GRADUATES

AN S 400 PRESENTATION OF EXPERIMENTAL RESULTS.

1/4 UNIT

04614	LECT-DISC		4	TH	104	AN GEN	DZIUK
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AN S 402 PRINCIPLES OF SHEEP AND WOOL PRODUCTION.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1/2 UNIT

04622	LECT-DISC		ARR		101	S P	GARRIGUS
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AN S 403 TECHNIQS AND TOPICS IN ANIMAL RESEARCH.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1/2 UNIT

04631	LECT-DISC		3	TU TH	313	M H	BECKER
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AN S 406 PHYSIOLOGY OF REPRODUCTION.

SAME AS ZDDL. 406.

1 UNIT

04649	LAB-DISC		1-3	TU TH	135	A S L	NALBANDOV
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AN S 407 LABORATORY METHODS IN ANIMAL GENETICS.

PREREQUISITE: CONSENT OF INSTRUCTOR.

*COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.

*1/2 TO 1 UNIT

04657	LAB		ARR				NORTON AND RASMUSEN
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AN S 408 LABORATORY METHODS IN PHYSIOLOGY OF REPRODUCTION.

SAME AS ZDDL. 408.

PREREQUISITE: CONSENT OF INSTRUCTOR.

*COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.

*1/2 TO 1 UNIT

04665	LAB		ARR				DZIUK AND NALBANDOV
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AN S 410 RESEARCH METHODS IN ANIMAL SCIENCE.

PREREQUISITE: CONSENT OF INSTRUCTOR.

*STUDENTS MAY ACCUMULATE 1 UNIT.

*1/4 TO 1 UNIT

04673	CONF		ARR				GRADUATE STAFF
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AN S 412 ADVANCED ENDOCRINOLOGY.

SAME AS D. S., PHYSL., AND ZDDL. 412

PREREQUISITE: CONSENT OF INSTRUCTOR.

*STUDENTS MAY ACCUMULATE 2 UNITS.

*1/2 UNIT

TOPIC--TO BE ANNOUNCED.

04681	DISC		730-10PM	M	140	BUR HALL	NALBANDOV, GORSKI, FOSTER JACKSON, DZIUK
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AN S 416 POPULATION GENETICS AND ANIMAL BREEDING.
 SAME AS D. S. 416.
 PREREQUISITE: AN. S. 110 OR EQUIVALENT.
 1 UNIT
 04690 LECT 8 M W F 341 A S L TOUCHBERRY

AN S 420 COMPARATIVE NUTRITION.
 PREREQUISITE: CHEM. 350 AND 355.
 1 UNIT
 04703 LECT 11 MTUWTH 153 A S L FORBES

AN S 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E., AGRON., D. S., F. S., FOR., HORT.,
 AND V. M. S. 440.
 PREREQUISITE: AN. S. 340 OR EQUIVALENT.
 3/4 UNIT
 04711 LECT 9 M W W109 T H SEIF, CARMER
 04720 LAB-DISC 1 3-5 TH W223 T H AND WALKER
 04738 LAB-DISC 2 1-3 F W121 T H

AN S 463 RADIOISOTOPES IN BIOLOGICAL RESEARCH: PRINCIPLES AND PRACTICE.
 SAME AS V.M.S. 463 AND BIOPH 463.
 PREREQUISITE: QUANTITATIVE CHEMISTRY, ONE YEAR OF MATHEMATICS,
 PHYSICS, BIOLOGY AND/OR CONSENT OF INSTRUCTOR.
 3/4 UNIT
 04746 LECT 11 M W 253 V M TWARDOCK AND
 04754 LAB A 1-5 TU 232 V M ANDERSON
 04762 LAB B 1-5 W 232 V M

AN S 481 ANIMAL BIOCHEMICAL LABORATORY TECHNIQUES.
 SAME AS D. S. 481.
 PREREQUISITE: CHEM. 350 AND 355; CONSENT OF INSTRUCTOR.
 1 UNIT
 *PLUS TWO HOURS TO BE ARRANGED.
 04771 LAB-DISC *1-4 TU TH 341 A S L LARSON AND
 OTHERS

AN S 496 THE USE OF CARBON-14 IN LABELING TECHNIQUES.
 SAME AS CHEM. 496.
 PREREQUISITE: CHEM. 336, 337, AND 338, OR EQUIVALENT, CONSENT
 OF INSTRUCTOR.
 3/4 OR 1 UNIT.
 04789 LECT 11 TU TH 217 N L NYSTROM AND
 04797 LAB A 1-5 TU 163 D H SHAW
 04801 LAB C 1-5 W 163 D H
 04819 LAB D 1-5 TH 163 D H
 04827 LAB E 1-5 F 163 D H

AN S 499 THESIS RESEARCH.
 0 TO 4 UNITS
 04835 CONF ARR GRADUATE STAFF

ANTHROPOLOGY

DEPARTMENT OFFICE

109 O H

MAJOR: TWENTY HOURS IN ANTHROPOLOGY, EXCLUDING ANTH. 102 AND 103. STUDENTS ARE STRONGLY ADVISED TO TAKE AT LEAST ONE COURSE FROM EACH OF THE PRINCIPAL FIELDS OF ANTHROPOLOGY: ARCHAEOLOGY, ETHNOLOGY (INCLUDING AT LEAST ONE COURSE DEALING WITH A PARTICULAR WORLD AREA), LINGUISTICS, AND PHYSICAL ANTHROPOLOGY.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: CLASSICS, ECONOMICS, GEOGRAPHY, GEOLOGY, HISTORY, LINGUISTICS, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY AND ZOOLOGY. THE INTERDEPARTMENTAL PROGRAM IN ASIAN STUDIES, LATIN-AMERICAN STUDIES OR IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A SOLE MINOR.

COURSES FOR UNDERGRADUATES

ANTH 102 INTRODUCTION TO ANTHROPOLOGY: THE ORIGIN OF MAN AND CULTURE.
4 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS. GIBBON

COURSE	LECT	A	B	C	D	E	F	*EG	H	I	J	K	L	M	N
04843	LECT													M	N
04851	QUIZ	A	8											TU	100
04860	QUIZ	B	8											TU	109A
04878	QUIZ	C	8											TH	313
04886	QUIZ	D	9											TU	313
04894	QUIZ	E	9											TH	313
04908	QUIZ	F	9											TU	109A
04983	QUIZ	*EG	10											TU	313
04916	QUIZ	H	10											TH	313
04924	QUIZ	I	10											TH	109A
04932	QUIZ	J	11											TU	313
04941	QUIZ	K	11											TH	313
04959	QUIZ	L	1											TU	313
04967	QUIZ	M	1											TU	209A
04975	QUIZ	N	2											TU	313

ANTH 103 INTRODUCTION TO CULTURAL ANTHROPOLOGY.
4 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS. BRUKMAN

COURSE	LECT	A	B	C	D	E	F	*EG	H	I	J	K	L	M	N
04991	LECT													M	N
05008	QUIZ	A	8											TU	141
05016	QUIZ	B	8											TH	209A
05024	QUIZ	C	8											TH	209A
05032	QUIZ	D	9											TU	109A
05041	QUIZ	E	11											TU	209A
05059	QUIZ	F	10											TU	109A
05156	QUIZ	*EG	11											TU	209A
05067	QUIZ	H	12											TH	313
05075	QUIZ	I	11											TU	8
05083	QUIZ	J	11											TH	109A
05091	QUIZ	K	11											TH	209A
05105	QUIZ	L	12											TU	313
05113	QUIZ	M	2											TU	8
05121	QUIZ	N	3											TU	313
05130	QUIZ	O	9											TH	209A
05148	QUIZ	P	10											TH	209A

ANTH 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
SECTION A TOPIC: FRONTIERS IN ANTHROPOLOGY.
SECTION B TOPIC: WAR, CONFLICT, AGGRESSION.

COURSE	CONF	A	B	3-5	4	2-5	M	W	209A	304
05164	CONF	A	3-5				M		209A	304
		A	4				W		209A	304
05172	CONF	B	2-5				TU		304	304

COURSES FOR ADVANCED UNDERGRADUATES

ANTH 250 INTRODUCTION TO PRIMITIVE TECHNOLOGY.
3 HOURS
05181 LECT-DISC 1 M W F 209A D H KELLER

ANTH 280 ANTHROPOLOGICAL THEORY IN CONTEMPORARY PERSPECTIVE.
 PREREQUISITE: A MAJOR IN ANTHROPOLOGY OR CONSENT OF THE INSTRUCTOR.
 3 HOURS
 05199 LECT-DISC 9 M W F 192 L H BUTTERWORTH

ANTH 290 HONORS COURSE.
 PREREQUISITE: SENIOR STANDING AND 4.0 AVERAGE.
 2 TO 4 HOURS
 05202 CNDF 6 ARR STAFF

ANTH 291 HONORS COURSE.
 PREREQUISITE: SENIOR STANDING AND 4.0 AVERAGE.
 2 TO 4 HOURS
 05211 CNDF 6 ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ANTH 315 AREA STUDIES IN ETHNOMUSICOLOGY.
 SAME AS MUSIC 317.
 PREREQUISITE: SENIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 12 HOURS OR 2 UNITS
 *3 HOURS OR 1/2 UNIT
 TOPIC--AMERICAN INDIAN MUSIC.
 05229 LECT-DISC A 11 M W F 201 H A NETTL

ANTH 316 INTRODUCTION TO MUSIC OF THE WORLD'S CULTURES.
 SAME AS MUSIC 316.
 FOR STUDENTS OUTSIDE THE SCHOOL OF MUSIC.
 PREREQUISITE: ANTH. 103 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 05237 LECT-DISC A 9 M W F 116 1203 W NEV NETTL

ANTH 321 PRIMITIVE SOCIAL ORGANIZATION.
 PREREQUISITE: ANTH. 103, OR 260, OR 280, OR EQUIVALENT.
 3 HOURS OR 1 UNIT
 05245 LECT-DISC 1030-12 TU TH 113 D H BDND

ANTH 331 ABORIGINAL NORTH AMERICA.
 PREREQUISITE: ANTH. 260.
 *A STUDENT MAY NOT RECEIVE CREDIT FOR BOTH ANTH. 270 AND 331.
 *3 HOURS, OR 1/2 OR 1 UNIT
 05253 LECT-DISC 4 M W F 113 D H ZUIDEMA

ANTH 341 HUMAN EVOLUTION, II.
 PREREQUISITE: ANTH. 240 OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 05261 LECT-DISC 11 M W F 19 D K H RASMUSSEN

ANTH 350 SOUTH AMERICAN CULTURE HISTORY, II.
 PREREQUISITE: ANTH. 220 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 05270 LECT-DISC 10 M W F 313 G H LATHRAP

ANTH 351 ARCHAEOLOGICAL SURVEYING: TECHNIQUES AND APPLICATIONS.
 PREREQUISITE: ANTH. 220 OR EQUIVALENT OR CONSENT
 OF THE INSTRUCTOR.
 3 HOURS OR 1 UNIT
 05288 LAB 1-5 TU 109A D H ROHN

ANTH 357 MIDWESTERN PREHISTORY.
 PREREQUISITE: ANTH. 220 OR EQUIVALENT OR CONSENT
 OF THE INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 05296 LAB-DISC 9-1030 TU TH 156 ADMIN GIBBON

ANTH 360 PEOPLES OF OCEANIA.
 PREREQUISITE: ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 05300 LECT-DISC 9-1030 TU TH 152 C A ROSS

ANTH 361 PEOPLES AND CULTURES OF MEXICO AND GUATEMALA.
PREREQUISITE: ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
05318 LECT-DISC 1030-12 TU TH 152 C A BUTTERWORTH

ANTH 367 PEOPLES AND CULTURES OF AFRICA.
PREREQUISITE: ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
05326 LECT-DISC 9 M W F 242 BEV HALL BONO

ANTH 368 PEOPLES AND CULTURES OF INDIA.
PREREQUISITE: ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
05334 LECT-DISC 1 M W F 328 ARMORY GOULD

ANTH 370 LANGUAGE, CULTURE, AND SOCIETY.
SAME AS COMM. AND LING. 370.
3 HOURS, OR 1/2 OR 1 UNIT
05342 LECT-DISC 3 M W F 317 G H BRUKMAN

ANTH 372 THE ANTHROPOLOGICAL STUDY OF ART.
PREREQUISITE: THREE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
05351 LECT-DISC 2 M W F 138 ADMIN LATHRAP

ANTH 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS GEOG., H. ED., PHYSL., PSYCH., SOC., AND V.M.S. 374.
PREREQUISITE: ANTH., H. ED., GEOG., PHYSL., SOC., ZOOL., OR V.M.S. 369.
4 HOURS OR 1 UNIT
*ONE DISC HOUR TO BE ARRANGED.
05369 LECT-DISC *11 M W F 242 BEV HALL SHIMKIN

ANTH 382 SIBERIAN CULTURE HISTORY AND ETHNOLOGY.
SAME AS GEOG. 382.
3 HOURS, OR 1/2 OR 1 UNIT
05377 LECT-DISC 10 M W F 209A D H SHIMKIN

COURSES FOR GRADUATES

ANTH 410 ADVANCED FIELD METHODS IN LINGUISTICS.
SAME AS LING. 410.
PREREQUISITE: ANTH. 409 OR EQUIVALENT.
1 UNIT
05385 LECT-DISC A 11 M W F 113 O H LEHMAN
05393 LECT-DISC B 2 M W F 209A D H

ANTH 450 SEMINAR IN ANTHROPOLOGY.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
SECTION B--ANALYSIS OF NEGRO CULTURES IN THE U.S.
SECTION E--CONTEMPORARY INDONESIA.
SECTION G--ART AND ICONOGRAPHY IN PERU.
SECTION I--TECHNIQUES OF LITHIC ANALYSIS.
SECTION K--URBAN SOCIAL SYSTEMS.
SECTION N--GANDHIAN POLITICAL METHODS IN CROSS CULTURAL PERSPECTIVE.
05407 CONF B 2-4 TU 209A D H SHIMKIN
05415 CONF E ARR BRUNER
05423 CONF G ARR ZUIDEMA
05431 CONF I ARR KELLER
05440 CONF K ARR CRISMAN
05458 CONF N ARR GOULD

ANTH 460 THEORIES AND METHODS IN ANTHROPOLOGY.
1 UNIT
05466 CONF ARR CASAGRANDE

ANTH 489 READINGS IN ANTHROPOLOGY.
PREREQUISITE: ONE SEMESTER OF GRADUATE WORK IN ANTHROPOLOGY;
CONSENT OF ADVISER.
1/2 OR 1 UNIT
05474 CONF ARR STAFF

ANTH 490 INDIVIDUAL TOPICS IN ANTHROPOLOGY.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1 TO 4 UNITS

05482 CONF

ARR

STAFF

ANTH 499 THESIS RESEARCH.

0 TO 4 UNITS

*SECTION A IS FOR MASTERS THESIS AND SECTION B IS FOR DOCTORS THESIS.

05491 CONF

*A

ARR

STAFF

05504 CONF

*B

ARR

STAFF

ARABIC

DEPARTMENT OFFICE

309H D H

COURSES FOR ADVANCED UNDERGRADUATES

ARAB 202 ELEMENTARY ARABIC, II.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.

PREREQUISITE: ARAB. 201.

5 HOURS

*ONE ADDITIONAL HOUR TO BE ARRANGED.

05512 LECT-DISC

*11

M W F

B C A

IBRAHIM

ARAB 204 ELEMENTARY SPOKEN ARABIC, II.

PREREQUISITE: ARAB. 203.

5 HOURS

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.

05521 LECT-DISC

12

M W F

312 D H

IBRAHIM

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ARAB 304 INTERMEDIATE ARABIC, II.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK IN THE LANGUAGE LABORATORY.

PREREQUISITE: ARAB. 303 OR EQUIVALENT.

5 HOURS OR 1 UNIT

05539 LECT-DISC

9

M W F

94 CDM W

IBRAHIM

ARAB 306 ADVANCED ARABIC, II.

PREREQUISITE: ARAB. 305 OR EQUIVALENT.

5 HOURS OR 1 UNIT

05547 LECT-DISC

10

M W F

B C A

IBRAHIM

ARAB 308 INTRODUCTION TO ARABIC LITERATURE, II.

PREREQUISITE: ARAB. 304.

3 HOURS OR 1 UNIT

05555 LECT-DISC

ARR

IBRAHIM

ARCHITECTURE

DEPARTMENT OFFICE

106 ARCH

IN THE CURRICULUM IN ARCHITECTURE, NORMAL COURSE PROGRESS IN SEQUENCE IS IMPERATIVE. STUDENTS FAILING TO COMPLETE ANY REQUIRED COURSE MORE THAN ONE SEMESTER LATER THAN THE TIME DESIGNATED IN THE CURRICULUM, ARE PROHIBITED FROM PROGRESSIVE REGISTRATION IN ARCHITECTURAL COURSES UNTIL THE DEFICIENCY IS CORRECTED.

COURSES FOR UNDERGRADUATES

ARCH 131	ARCHITECTURAL DESIGN, II.									
	PREREQUISITE: ARCH. 101, CREDIT OR REGISTRATION IN G. E. 108, ALSO CREDIT OR REGISTRATION IN ARCH. 141, SOPHOMORE STANDING.									
	3 HOURS									
	*SECTION S4 IS FOR LANDSCAPE ARCHITECTURE STUDENTS ONLY.									
05563	LAB	A	9-12	M W F	206	F A B				STAFF
05571	LAB	B	9-12	TU TH S	206	F A B				STAFF
05580	LAB	*S4	1-5	TU TH	206	F A B				STAFF
ARCH 132	ARCHITECTURAL DESIGN, III.									
	PREREQUISITE: ARCH. 131.									
	3 HOURS									
05598	LECT-DISC	A	2	M	120	ARCH				STAFF
	LAB	A	3-5	M	300	ARCH				STAFF
		A	2-5	W F	300	ARCH				STAFF
05601	LECT-DISC	B	8		S	302	ARCH			STAFF
	LAB	B	9-11		S	300	ARCH			STAFF
		B	8-11	TU TH	300	ARCH				STAFF
ARCH 141	BUILDING CONSTRUCTION, I.									
	PREREQUISITE: CREDIT OR REGISTRATION IN ARCH. 131, OR CONSENT OF INSTRUCTOR.									
	2 HOURS									
05610	LECT	A	B	M W	224	D K H				SPEERS
ARCH 142	BUILDING CONSTRUCTION, II.									
	PREREQUISITE: ARCH. 141.									
	2 HOURS									
05628	LECT	A	1	TU TH	141	COM W				MOYER
ARCH 199	UNDERGRADUATE OPEN SEMINAR.									
	*MAY BE REPEATED.									
	*0 TO 9 HOURS									
	SECTION L1 FOR LANAPDULE STUDENTS ONLY; 5 HOURS.									
05636	CONF	L1	ARR							LANAPDULE

COURSES FOR ADVANCED UNDERGRADUATES

ARCH 200	SENIOR HONORS IN ARCHITECTURE.									
	FOR CANDIDATES FOR HONORS IN ARCHITECTURE.									
	PREREQUISITE: SENIOR STANDING IN ARCHITECTURE, A UNIVERSITY GRADE-POINT AVERAGE OF 4.0 OR, IN SPECIAL CASES, APPROVAL BY THE HEAD OF THE DEPARTMENT.									
	*STUDENTS MAY ACCUMULATE 6 HOURS WITH APPROVAL OF HEAD OF DEPARTMENT.									
	*3 HOURS									
05644	CONF	&CU	ARR							STAFF
05652	CONF	&LI	10	TU	ARR					LANAPDULE
ARCH 211	INTRODUCTION TO ANCIENT AND MEDIEVAL ARCHITECTURE.									
	PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.									
	3 HOURS									
05661	LECT	A	I	M W F	66	LIB				FOSS
ARCH 212	INTRODUCTION TO RENAISSANCE AND MODERN ARCHITECTURE.									
	PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.									
	3 HOURS									
05679	LECT	A	11	M W F	120	ARCH				HANSER

ARCH 233	ARCHITECTURAL DESIGN, IV.									
	PREREQUISITE: ARCH. 132; CREDIT OR REGISTRATION IN T. A. M. 150 OR 171.									
	3 HOURS									
05687	LA8	A	8-11	M W F	310	ARCH	STAFF			
05695	LA8	B	8-11	TU TH S	310	ARCH	STAFF			
ARCH 234	ARCHITECTURAL DESIGN, V.									
	PREREQUISITE: ARCH. 233.									
	3 HOURS									
05709	LA8	A	9-12	M W F	310	ARCH	STAFF			
05717	LA8	B	9-12	TU TH S	310	ARCH	STAFF			
ARCH 235	ARCHITECTURAL DESIGN, VI.									
	PREREQUISITE: ARCH. 234.									
	5 HOURS									
05725	LA8	A	1-4	MTWTHF	200	ARCH	STAFF			
05733	LA8	L1	2-6	MTW	ARR		LANAPOULE			
		L1	1-4	TH	ARR		LANAPOULE			
ARCH 236	ARCHITECTURAL DESIGN, VII.									
	PREREQUISITE: ARCH. 235.									
	5 HOURS									
05741	LA8	A	1-4	MTWTHF	200	ARCH	STAFF			
05750	LA8	L1	2-6	MTW	ARR		LANAPOULE			
		L1	1-4	TH	ARR		LANAPOULE			
ARCH 241	BUILDING CONSTRUCTION, III.									
	PREREQUISITE: ARCH. 142.									
	2 HOURS									
05768	LECT	A	4	TU TH	302	ARCH	CLAYTON			
ARCH 242	BUILDING CONSTRUCTION, IV.									
	PREREQUISITE: ARCH. 241.									
	2 HOURS									
05776	LECT	A	8	TU TH	120	ARCH	LANFORD			
ARCH 245	STRUCTURAL ELEMENTS.									
	PREREQUISITE: L. A. S. 141 OR PHYCS. 101; T. A. 172 OR 221.									
	3 HOURS									
05784	LECT-DISC	A	8	M W	100	ARCH	CROUCH			
	LA8	A	9-12	M W	100	ARCH	CROUCH			
05792	LECT-DISC	B	8	M W	100	ARCH	CROUCH			
	LA8	B	1-4	M W	100	ARCH	CROUCH			
ARCH 246	THEORY OF STRUCTURAL DESIGN.									
	PREREQUISITE: ARCH. 245.									
	3 HOURS									
05806	LECT-DISC	A	8	M W F	302	ARCH	LEFFERS			
	LA8	A	8-11	TU TH	100	ARCH	LEFFERS			
05814	LECT-DISC	L1	9	M WTH	ARR		LANAPOULE			
	LA8	L1	10-12	M WTH	ARR		LANAPOULE			
ARCH 247	STRUCTURAL PLANNING.									
	PREREQUISITE: ARCH. 257.									
	3 HOURS									
05822	LECT	A	11	M W F	302	ARCH	SIMON			
ARCH 256	BUILDING SANITATION AND ARCHITECTURAL ACOUSTICS.									
	PREREQUISITE: JUNIOR STANDING IN ARCHITECTURE.									
	2 HOURS									
05831	LECT	A	4	M W	120	ARCH	MOYER			
ARCH 257	REINFORCED CONCRETE THEORY.									
	PREREQUISITE: ARCH. 246.									
	3 HOURS									
05849	LECT	A	8	M W F	120	ARCH	BRIGHTBILL			
05857	LECT	B	10	M W F	301	ARCH	BRIGHTBILL			
05865	LECT	L1	8	MTU TH	ARR		LANAPOULE			
ARCH 283	ARCHITECTURAL PRACTICE.									
	PREREQUISITE: FIFTH YEAR STANDING IN ARCHITECTURE.									
	2 HOURS									
05873	LECT	A	9	M W	120	ARCH	CLAYTON			

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ARCH	300	INDEPENDENT STUDIES IN URBAN DESIGN. PREREQUISITE: ONE YEAR OF HISTORY OF ARCHITECTURE, OR HISTORY OF ART AND CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT	05881	CONF	L1	11	TU	ARR		LANAPOULE
ARCH	312	GOTHIC ARCHITECTURE. PREREQUISITE: ARCH. 211 AND 212, OR ART 111 AND 112, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT	05890	LECT	A	9	M W F	302	ARCH	LAING
ARCH	314	FRENCH ARCHITECTURE, 1500-1800. PREREQUISITE: ARCH. 211 AND 212, OR ART 111 AND 112, OR CONSENT OF INSTRUCTOR 3 HOURS OR 3/4 UNIT	05903	LECT		10	M W F	302	ARCH	FOSS
ARCH	316	ARCHITECTURE OF THE NINETEENTH AND TWENTIETH CENTURIES. PREREQUISITE: ARCH. 211 AND 212, OR ART 111 AND 112, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT	05911	LECT	A	4	M W F	302	ARCH	HANSER
			05920	LECT	L1	1	MTUW	ARR		LANAPOULE
ARCH	317	THE DEVELOPMENT OF CONTEMPORARY ARCHITECTURAL THOUGHT. PREREQUISITE: ARCH. 211 AND 212, OR ART 111 AND 112, AND CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT	05938	LECT-DISC	A	4-530	TU TH	403E	ARCH	LAING
ARCH	337	ARCHITECTURAL DESIGN. PREREQUISITE: ARCH. 236, SENIOR STANDING IN ARCHITECTURE. 7 HOURS OR 2 UNITS	05946	LAB	A	1-5	MTUWTHF	210	ARCH	STAFF
ARCH	338	ARCHITECTURAL DESIGN. PREREQUISITE: ARCH. 337. 7 HOURS OR 2 UNITS	05954	LAB	A	1-5	MTUWTHF	210	ARCH	STAFF
ARCH	344	DESIGN DEVELOPMENT AND CONSTRUCTION DOCUMENTS. PREREQUISITE: ARCH. 242 AND 257; REGISTRATION IN ARCH. 337 FOR GENERAL OPTION STUDENTS, OR CONSENT OF INSTRUCTOR. 2 HOURS *SECTION A FOR GENERAL OPTION STUDENTS. *SECTION B FOR ENGINEERING OPTION STUDENTS.	05962	LAB	*A	9-12	TU TH	ARR		STAFF
			05971	LAB	*B	9-12	TU TH	408	ARCH	STAFF
ARCH	347	THEORY OF STRUCTURES. PREREQUISITE: ARCH. 257 AND MATH. 142. 5 HOURS OR 1 1/2 UNITS	05989	LECT-DISC	A	8	MTUWTHF	301	ARCH	WICKERSHEIMER
				LAB	A	9-11	M W F	100	ARCH	WICKERSHEIMER
ARCH	348	ADVANCED STRUCTURES. PREREQUISITE: ARCH. 347, CREDIT OR REGISTRATION IN ARCH. 358. 5 HOURS OR 1 1/2 UNITS	05997	LECT-DISC	A	1-3	M W F	301	ARCH	COY
				LAB	A	3-5	M W	100	ARCH	COY
					A	3	F	100	ARCH	COY
ARCH	358	ADVANCED REINFORCED CONCRETE. PREREQUISITE: ARCH. 247, CREDIT OR REGISTRATION IN ARCH. 348. 3 HOURS OR 1 UNIT	06003	LECT-DISC	A	1-3	TU TH	301	ARCH	SIMON
				LAB	A	3	TU TH	100	ARCH	SIMON

ARCH 379 URBAN HOUSING.
PREREQUISITE: CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT
06011 LECT-DISC A 1-3 M 403E ARCH JONES

COURSES FOR GRADUATES

ARCH 432 SEMINAR IN ARCHITECTURAL DESIGN.
PREREQUISITE: ARCH. 431 OR CONSENT OF INSTRUCTOR.
1/2 UNIT
06020 LECT-DISC A 4-6 W 403E ARCH FRANCESCATO

ARCH 435 ADVANCED ARCHITECTURAL DESIGN.
PREREQUISITE: BACHELOR'S DEGREE IN ARCHITECTURE (GENERAL OPTION)
OFFERED BY THE UNIVERSITY OF ILLINOIS OR CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.
06038 LAB A *1-4 MTUWTHF 403A ARCH WILLIAMS, KATZ
FRANCESCATO

ARCH 452 ADVANCED THEORY AND DESIGN OF STEEL STRUCTURES.
PREREQUISITE: ARCH. 348 OR CONSENT OF INSTRUCTOR.
1 UNIT
06046 LECT-DISC A 8-10 M W 20A ARCH SCHOUSBOE

ARCH 454 ADVANCED STRUCTURAL DESIGN IN REINFORCED CONCRETE.
PREREQUISITE: ARCH. 358 OR CONSENT OF INSTRUCTOR.
1 UNIT
06054 LECT-DISC A 10-12 M W 20A ARCH TANG

ARCH 481 ARCHITECTURAL PRACTICE AND THE CONSTRUCTION INDUSTRY.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1/2 UNIT
MAY BE TAKEN CONCURRENTLY WITH ARCH 491.
06062 LECT-DISC A 4-6 M 403E ARCH CLAYTON

ARCH 491 SPECIAL PROBLEMS IN ARCHITECTURAL ADMINISTRATION AND BUILDING
CONSTRUCTION.
PREREQUISITE: CREDIT OR REGISTRATION IN ARCH. 481.
1/2 TO 2 UNITS
06071 CONF A ARR CLAYTON

ARCH 493 SPECIAL PROBLEMS IN STRUCTURAL THEORY AND DESIGN.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1/2 TO 4 UNITS
*SECTION L: ARCHITECTURAL RESEARCH LABORATORY.
*SECTION F: FOUNDATIONS.
*SECTION SP: STRUCTURAL PLANNING.
*SECTION PD: PLASTIC DESIGN.
06089 LAB *L 1-3 M W F 20A ARCH TANG AND SIMON
06097 LECT-DISC *F 8-10 TU TH 20A ARCH SCHOUSBOE
06101 LECT-DISC *SP 10-12 TU TH 20A ARCH TANG
06119 LECT-DISC *PD 1-3 TU TH 100 ARCH LEFFERS

ARCH 494 SPECIAL PROBLEMS IN ARCHITECTURAL DESIGN.
PREREQUISITE: ARCH. 435 OR CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.
SECTION A--DESIGN.
06127 LAB *A 1-4 MTUWTHF 403 ARCH WILLIAMS, KATZ
FRANCESCATO

ARCH 496 SPECIAL PROBLEMS IN ARCHITECTURAL HISTORY.
PREREQUISITE: 12 HOURS OF ARCHITECTURAL HISTORY OR CONSENT OF
INSTRUCTOR.
1/2 TO 2 UNITS
06135 CONF A ARR LAING

ARMY ROTC
SEE MILITARY SCIENCE

ART

DEPARTMENT OFFICE

143 F A 8

COURSES IN ART APPRECIATION AND THE HISTORY OF ART

COURSES FOR UNDERGRADUATES

ART	111	INTRODUCTION TO ANCIENT AND MEDIEVAL ART.						
		3 HOURS						
	06143	LECT	A	12	M W F	114	D K H	MORRIS
ART	112	INTRODUCTION TO RENAISSANCE AND MODERN ART.						
		PREREQUISITE: ART 111 OR CONSENT OF INSTRUCTOR FOR ART STUDENTS.						
		3 HOURS						
	06151	LECT	A	8	M W F	114	D K H	GAMBILL
	06160	LECT	B	2	M W F	120	ARCH	GAMBILL
ART	115	ART APPRECIATION.						
		PRIMARILY FOR NON-ART STUDENTS.						
		PREREQUISITE: CONSENT OF INSTRUCTOR.						
		3 HOURS						
	06178	LECT	A	3	M W F	62	K M	CONWAY
ART	116	MASTERPIECES OF ART.						
		2 HOURS						
	06186	LECT	A	2	TU TH	114	D K H	TIMMERMAN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART	306	NEAR EASTERN AND GREEK ART.						
		PREREQUISITE: ONE YEAR OF HISTORY OF ART, OR CONSENT OF INSTRUCTOR.						
		3 HOURS OR 3/4 UNIT						
	06194	LECT	A	8	M W F	62	K M	MORRIS
ART	308	EARLY MEDIEVAL ART.						
		PREREQUISITE: ONE YEAR OF ART HISTORY OR CONSENT OF INSTRUCTOR.						
		3 HOURS OR 3/4 UNIT						
	06208	LECT	A	1	M W F	101	ARMORY	RAE
ART	311	GERMAN AND AUSTRIAN PAINTING OF THE LATE NINETEENTH AND EARLY TWENTIETH CENTURIES.						
		PREREQUISITE: ART 321 OR 322, OR ONE 300-LEVEL COURSE IN NINETEENTH-CENTURY PAINTING.						
		3 HOURS OR 3/4 UNIT.						
	06216	LECT	A	11	M W F	62	K M	FRANCISCONO
ART	314	NORTHERN RENAISSANCE ART.						
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.						
		3 HOURS OR 3/4 UNIT						
	06224	LECT	A	10	M W F	301	ARCH	FEHL
ART	316	LATER CHINESE PAINTING.						
		PREREQUISITE: ART 328, OR A COURSE IN CHINESE HISTORY OF THE PERIOD COVERED, OR CONSENT OF INSTRUCTOR.						
		3 HOURS OR 3/4 UNIT						
	06232	LECT	A	ARR		407	ARCH	MUNAKATA
ART	317	ITALIAN ART OF THE SIXTEENTH CENTURY.						
		PREREQUISITE: ONE YEAR OF HISTORY OF ART, OR CONSENT OF INSTRUCTOR.						
		3 HOURS OR 3/4 UNIT.						
	06241	LECT	A	3	M W F	120	ARCH	PINNELL

ART	318	LATIN-AMERICAN ART.									
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.									
		3 HOURS OR 3/4 UNIT									
	06259	LECT	A	4	M	W	F	62	K	M	RAE
ART	319	ITALIAN ART OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES.									
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.									
		3 HOURS OR 3/4 UNIT									
	06267	LECT	A	12	M	W	F	62	K	M	PINNELL
ART	322	TWENTIETH CENTURY ART--1925 TO DATE.									
		PREREQUISITE: ONE YEAR IN THE HISTORY OF ART OR CONSENT OF THE INSTRUCTOR.									
		3 HOURS OR 3/4 UNIT									
	06275	LECT	A	8	M	W	F	101	ARMORY		FRANCISCOND
ART	323	AMERICAN ART TO 1840.									
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.									
		3 HOURS OR 3/4 UNIT									
	06283	LECT	A	12	M	W	F	120	ARCH		MORGAN
ART	325	RECENT AMERICAN PAINTING AND SCULPTURE.									
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.									
		2 HOURS, OR 1/2 OR 3/4 UNIT									
	06291	LECT	A	8	TU	TH		62	K	M	WELLER
ART	327	JAPANESE ART.									
		PREREQUISITE: ONE YEAR OF HISTORY OF ART OR JUNIOR STANDING.									
		3 HOURS OR 3/4 UNIT									
	06305	LECT	A	1	M	W	F	302	ARCH		MUNAKATA

STUDIO COURSES PRIMARILY FOR NON-ART STUDENTS

COURSES FOR UNDERGRADUATES

ART	105	INTRODUCTION TO WATER COLOR PAINTING.									
		NOT OPEN TO STUDENTS MAJORING IN ART.									
		*STUDENTS MAY ACCUMULATE FOUR HOURS CREDIT.									
		*2 HOURS									
	06313	LAB	A	9-12	M		F	106	F	A	B
											BETTS
ART	107	ELEMENTARY DRAWING.									
		FOR STUDENTS NOT MAJORING IN ART.									
		*STUDENTS MAY ACCUMULATE FOUR HOURS.									
		*2 HOURS									
	06321	LAB	A	2-5	TU	TH		384	ARMORY		STAFF
ART	185	DESIGN, I.									
		FOR NON-ART MAJORS.									
		2 HOURS									
	06330	LAB	A	10-12	M	W	F	155	ARMORY		RAUSHENBERGER
	06348	LAB	B	9-12	TU	TH		155	ARMORY		AND STAFF
	06356	LAB	C	3-5	M	W	F	155	ARMORY		
	06364	LAB	D	7-10PM	TU	TH		155	ARMORY		
	06372	LAB	E	8-10	M	W	F	155	ARMORY		
ART	186	DESIGN, II.									
		FOR NON-ART MAJORS.									
		PREREQUISITE: ART 185.									
		2 HOURS									
	06381	LAB	A	2-5	TU	TH		155	ARMORY		RAUSHENBERGER
	06399	LAB	B	1-3	M	W	F	155	ARMORY		AND STAFF

PROFESSIONAL AND STUDIO COURSES

COURSES FOR UNDERGRADUATES

ART	114	ORIENTATION TO ART, II. OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1. PREREQUISITE: CONCURRENT REGISTRATION IN ONE OF ART 117, 118, 119, OR 120, OR CONSENT OF INSTRUCTOR.									
		1 HOUR									
	06402	LECT	A	4	TU	101	ARMORY	KOTOSKE			
ART	117	DRAWING, I. OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.									
		2 HOURS									
	06411	LAB	A	9-12	M F	370	ARMORY	BRIGGS & STAFF			
	06429	LAB	B	2-5	M F	370	ARMORY				
ART	118	DRAWING, II. OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1. PREREQUISITE: ART 117.									
		2 HOURS									
	06437	LAB	A	9-12	M F	372	ARMORY	BRIGGS & STAFF			
	06445	LAB	B	9-12	TU TH	372	ARMORY				
	06453	LAB	C	9-12	M F	384	ARMORY				
	06461	LAB	D	9-12	TU TH	384	ARMORY				
	06470	LAB	E	2-5	M F	372	ARMORY				
	06488	LAB	F	1-4	TU TH	372	ARMORY				
	06496	LAB	G	2-5	M F	384	ARMORY				
	06500	LAB	H	1-4	TU TH	370	ARMORY				
ART	119	DESIGN, I. OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.									
		2 HOURS									
	06518	LAB	A	9-12	TU TH	247	ARMORY	V GUMPPENBERG AND STAFF			
	06526	LAB	B	1-4	TU TH	247	ARMORY				
ART	120	DESIGN, II. OPEN ONLY TO STUDENTS IN COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1. PREREQUISITE: ART 119.									
		2 HOURS									
	06534	LAB	A	9-12	M F	386	ARMORY	V GUMPPENBERG AND STAFF			
	06542	LAB	B	9-12	TU TH	386	ARMORY				
	06551	LAB	C	2-5	M F	386	ARMORY				
	06569	LAB	D	1-4	TU TH	386	ARMORY				
	06577	LAB	E	2-5	M F	247	ARMORY				
	06585	LAB	F	9-12	M F	247	ARMORY				
	06593	LAB	G	9-12	TU TH	106	F A B				
	06607	LAB	H	9-12	W	247	ARMORY				
				2-5	W	247	ARMORY				
ART	121	DRAWING THEORY. 2 HOURS									
	06615	LAB	A	2-5	M F	237	F A B	WALLACE AND STAFF			
	06623	LAB	B	9-12	TU TH	237	F A B				
ART	122	DRAWING THEORY. PREREQUISITE: ART 121.									
		2 HOURS									
	06631	LAB	A	9-12	M F	235	F A B	WALLACE & STAFF			
	06640	LAB	B	9-12	TU TH	235	F A B				
	06658	LAB	C	9-12	M F	237	F A B				
	06666	LAB	D	2-5	M F	235	F A B				
	06674	LAB	E	1-4	TU TH	235	F A B				
	06682	LAB	F	1-4	TU TH	237	F A B				

ART	125	LIFE DRAWING, I. PREREQUISITE: ART 113, 114 AND 118. 2 HOURS									
	06691	LAB	A	9-12	M	F	219	F	A	B	
	06704	LAB	B	9-12	TU TH		219	F	A	B	
	06712	LAB	C	2-5	M	F	219	F	A	B	
	06721	LAB	D	2-5	TU TH		219	F	A	B	
	06739	LAB	E	9-12	M	F	236	F	A	B	
	06747	LAB	F	2-5	TU TH		236	F	A	B	
	06755	LAB	G	9-12	W		219	F	A	B	
			G	2-5	W		219	F	A	B	
	06763	LAB	H	7-10PM	TU TH		219	F	A	B	
ART	126	LIFE DRAWING, II. PREREQUISITE: ART 125. 2 HOURS									
	06771	LAB	A	9-12	M	F	219	F	A	B	
	06780	LAB	B	9-12	TU TH		219	F	A	B	
	06798	LAB	C	2-5	M	F	219	F	A	B	
	06801	LAB	D	2-5	TU TH		219	F	A	B	
	06810	LAB	E	9-12	M	F	240	F	A	B	
	06828	LAB	F	2-5	TU TH		240	F	A	B	
	06836	LAB	G	9-12	W		219	F	A	B	
			G	2-5	W		219	F	A	B	
	06844	LAB	H	7-10PM	TU TH		219	F	A	B	
ART	130	ANATOMY, II. PREREQUISITE: ART 129. 2 HOURS									
	06852	LAB	A	9-12	W		236	F	A	B	
	06861	LAB	B	2-5	W		236	F	A	B	
ART	131	ELEMENTARY COMPOSITION. PREREQUISITE: ART 113, 114, 118, 120, AND 122. 2 HOURS									
	06879	LAB	A	9-12	M	F	9	F	A	B	KOTOSKE AND
	06887	LAB	B	2-5	M	F	9	F	A	B	STAFF
ART	132	ELEMENTARY COMPOSITION. PREREQUISITE: ART 131. 2 HOURS									
	06895	LAB	A	9-12	TU TH		209	F	A	B	
	06909	LAB	B	9-12	M	F	209	F	A	B	
	06917	LAB	C	9-12	W		209	F	A	B	
			C	2-5	W		209	F	A	B	
	06925	LAB	D	2-5	M	F	209	F	A	B	
	06933	LAB	E	2-5	TU TH		9	F	A	B	
	06941	LAB	F	9-12	TU TH		9	F	A	B	
ART	133	DESIGN WORKSHOP. PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM. PREREQUISITE: ART 118, 120, AND 122, OR CONSENT OF INSTRUCTOR. 3 HOURS *3 HOURS TO BE ARRANGED.									
	06950	LAB	A	*9-12	M	F	32	F	A	B	
	06968	LAB	B	*9-12	TU TH		32	F	A	B	
ART	134	DESIGN WORKSHOP. PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM. PREREQUISITE: ART 133. 3 HOURS *3 HOURS TO BE ARRANGED.									
	06976	LAB	A	*9-12	M	F	32	F	A	B	
	06984	LAB	B	*9-12	TU TH		32	F	A	B	
ART	141	STILL LIFE, I. PREREQUISITE: FRESHMAN STANDING IN ART. 2 HOURS									
	06992	LAB	A	9-12	M	F	336	F	A	B	
	07009	LAB	B	9-12	TU TH		336	F	A	B	
	07017	LAB	C	9-12	W		336	F	A	B	
			C	2-5	W		336	F	A	B	
	07025	LAB	D	2-5	M	F	336	F	A	B	
	07033	LAB	E	2-5	TU TH		336	F	A	B	
	07041	LAB	F	7-10PM	TU TH		336	F	A	B	

ART 142 STILL LIFE, II.
PREREQUISITE: ART 141.
2 HOURS

07050	LAB	A	9-12	M	F	338	F A B
07068	LAB	B	9-12	TU TH		338	F A B
07076	LAB	C	9-12	W		338	F A B
		C	2-5			338	F A B
07084	LAB	D	2-5	M	F	338	F A B
07092	LAB	E	2-5	TU TH		338	F A B
07106	LAB	F	7-10PM	TU TH		338	F A B

ART 151 SCULPTURE, I.
PREREQUISITE: ART 118, 120, 122 OR ARCH. 234.
2 HOURS
*SECTION E OPEN ONLY TO STUDENTS IN SCULPTURE CURRICULUM.

07114	LAB	A	9-12	M	F	25	F A B
07122	LAB	B	9-12	TU TH		25	F A B
07131	LAB	C	9-12	W		25	F A B
		C	2-5			25	F A B
07149	LAB	D	7-10PM	M	F	25	F A B
07157	LAB	*E	7-10PM	TU TH		25	F A B

ART 152 SCULPTURE, II.
PREREQUISITE: ART 151.
2 HOURS

07165	LAB	A	2-5	M	F	25	F A B
07173	LAB	B	2-5	TU TH		25	F A B
07181	LAB	C	7-10PM	TU TH		25	F A B

ART 161 CALLIGRAPHIC DESIGN.
PREREQUISITE: SOPHOMORE STANDING IN ART.
2 HOURS

07190	LAB	A	9-12	TU TH		245	F A B
07203	LAB	B	2-5	M	F	245	F A B

ART 162 LETTERFORM DESIGN.
PREREQUISITE: SOPHOMORE STANDING IN ART.
2 HOURS

07211	LAB	A	9-12	M	F	245	F A B
07220	LAB	B	7-10PM	TU TH		245	F A B
07238	LAB	C	2-5	TU TH		245	F A B
07246	LAB	D	7-10PM	TU TH		319	F A B

ART 182 FREEHAND DRAWING, II.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS.
PREREQUISITE: ART 181.
2 HOURS

07254	LAB	A	1-3	M	W	F	201	SURV BLDG	BRITSKY &
07262	LAB	B	2-5	TU TH			104	SURV BLDG	STAFF

ART 183 FREEHAND DRAWING, III.
PREREQUISITE: ART 182. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

07271	LAB	A	9-12	M	F	202	SURV BLDG	BRITSKY &
07289	LAB	B	8-11	TU TH		202	SURV BLDG	STAFF

ART 184 FREEHAND DRAWING, IV.
PREREQUISITE: ART 183. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

07297	LAB	A	9-12	M	F	104	SURV BLDG	BRITSKY &	
07301	LAB	B	8-10	M	W	F	201	SURV BLDG	STAFF
07319	LAB	C	10-12	M	W	F	201	SURV BLDG	
07327	LAB	D	3-5	M	W	F	202	SURV BLDG	
07335	LAB	E	3-5	M	W	F	104	SURV BLDG	
07343	LAB	F	10-12	M	W	F	229	F A B	
07351	LAB	G	8-10	M	W	F	229	F A B	
07360	LAB	H	1-3	M	W	F	104	SURV BLDG	

ART 190 RECREATIONAL CRAFTS, I.
PRIMARILY FOR RECREATION MAJORS IN PHYSICAL EDUCATION.
PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH ART 190 AND ART 203.
*2 HOURS

07378	LAB	A	10-12	M	W	F	107	F A B	
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ART 191 RECREATIONAL CRAFTS, II.
 PRIMARILY FOR RECREATION MAJORS IN PHYSICAL EDUCATION.
 PREREQUISITE: ART 190.
 2 HOURS
 07386 LAB A 10-12 M W F 107 F A B

ART 192 METALWORK AND JEWELRY, I.
 PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
 2 HOURS
 07394 LAB A 9-12 M F 24 D K H
 07408 LAB B 2-5 M F 24 D K H
 VON NEUMANN
 VON NEUMANN

ART 193 METALWORK AND JEWELRY, II.
 PREREQUISITE: ART 192.
 2 HOURS
 07416 LAB A 9-12 TU TH 24 D K H

ART 194 POTTERY, I.
 PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
 2 HOURS
 *SECTION B OPEN ONLY TO STUDENTS IN ART EDUCATION CURRICULUM.
 07424 LAB A 9-12 TU TH 152 N E L
 07441 LAB *B 2-5 M F 152 N E L
 07432 LAB C 2-5 TU TH 152 N E L

ART 195 POTTERY, II.
 PREREQUISITE: ART 194.
 2 HOURS
 *SECTION B OPEN ONLY TO STUDENTS IN ART EDUCATION CURRICULUM.
 07459 LAB A 9-12 TU TH 152 N E L
 07475 LAB *B 2-5 M F 152 N E L
 07467 LAB C 2-5 TU TH 152 N E L

ART 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 07483 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

ART 200 SENIOR HONORS IN ART.
 PREREQUISITE: SENIOR STANDING IN ART, UNIVERSITY GRADE POINT
 AVERAGE OF 4.00, AND APPROVAL OF CURRICULUM ADVISOR AND
 HEAD OF DEPARTMENT.
 *MAY BE REPEATED FOR A TOTAL OF 5 HOURS
 *2 TO 5 HOURS
 07491 LAB-DISC 6A ARR 139B F A B WICKS

ART 201 WATER COLOR, I.
 PREREQUISITE: ART 118 AND 120.
 2 HOURS
 *SECTION B WILL NOT MEET DURING THE SIX-WEEK STUDENT
 TEACHING PERIOD.
 07505 LAB A 9-12 M F 106 F A B
 07513 LAB *B 2-5 TU TH 209 F A B
 7-10PM TU TH 209 F A B
 BETTS
 JACKSON

ART 202 WATER COLOR, II.
 PREREQUISITE: ART 201.
 2 HOURS
 07521 LAB A 9-12 M F 106 F A B BETTS

ART 203 ART EDUCATION LABORATORY.
 FOR NON-ART STUDENTS ONLY.
 PREREQUISITE: JUNIOR STANDING.
 CREDIT IS NOT GIVEN FOR BOTH ART 190 AND ART 203.
 2 HOURS
 *CONCURRENT REGISTRATION IN SECTION F OF EL. ED. 337 REQUIRED. TWO
 HOURS TO BE ARRANGED ON SATURDAY MORNINGS FOR WORK WITH CHILDREN.
 07530 LAB A 8-10 M W F 107 F A B
 07548 LAB B 1-3 M W F 106 F A B
 07556 LAB C 3-5 M W F 106 F A B
 07572 LAB *D 3-5 TU TH 107 F A B
 07564 LAB E 3-5 M W F 107 F A B

ART 204 ART EDUCATION LABORATORY.
PREREQUISITE: ART 132 OR JUNIOR STANDING.
2 HOURS
07581 LAB A 2-5 TU TH 106 F A B

ART 206 CREATIVE ART FOR CHILDREN.
PREREQUISITE: JUNIOR STANDING IN ART EDUCATION OR CONSENT OF INSTRUCTOR.
3 HOURS
*1 HOUR TO BE ARRANGED.
07599 LECT O 4 W 133 F A B BREEN
07629 LECT A *8-10 S 106 F A B
A 8-10 S 107 F A B
07637 LECT B *10-12 S 106 F A B
B 10-12 S 107 F A B

ART 208 ORGANIZATION OF PUBLIC SCHOOL ART PROGRAMS.
PREREQUISITE: JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
3 HOURS
07645 LECT A B M W F 133 F A B MARSHALL

ART 215 BASIC PHOTOGRAPHY, I.
SUPPLIES COST APPROXIMATELY \$40.
PREREQUISITE: JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
3 HOURS
*THREE HOURS TO BE ARRANGED
07661 LAB A *8-10 M W F 335 F A B PARKER
07670 LAB B *9-12 TU TH 335 F A B SINSABAUGH
07688 LAB C *7-10PM TU TH 335 F A B DESCHAMPS
07696 LAB D *1-3 M F 335 F A B PARKER
07653 LAB E *7-9PM M W F 335 F A B DESCHAMPS

ART 216 BASIC PHOTOGRAPHY, II.
SUPPLIES COST APPROXIMATELY \$40.
PREREQUISITE: ART 215.
*STUDENTS MAY ACCUMULATE 6 HOURS WITH CONSENT OF INSTRUCTOR.
*3 HOURS
IT IS RECOMMENDED THAT ART 216 BE TAKEN NO LATER THAN ONE SEMESTER AFTER COMPLETION OF ART 215.
THREE HOURS TO BE ARRANGED.
07700 LAB A *10-12 M W F 335 F A B PARKER
07718 LAB B *2-5 TU TH 335 F A B SINSABAUGH
07726 LAB C *3-5 M W F 335 F A B DESCHAMPS

ART 225 INTERMEDIATE DRAWING, I.
PREREQUISITE: JUNIOR STANDING IN ART.
2 HOURS
07734 LAB A 9-12 TU TH 236 F A B
07742 LAB B 2-5 M F 236 F A B
07751 LAB C 7-10PM TU TH 236 F A B

ART 226 INTERMEDIATE DRAWING, II.
PREREQUISITE: ART 225.
2 HOURS
07769 LAB A 9-12 TU TH 240 F A B
07777 LAB B 2-5 M F 240 F A B
07785 LAB C 7-10PM TU TH 240 F A B

ART 231 INTERMEDIATE COMPOSITION, I.
PREREQUISITE: ART 132.
3 HOURS
07793 LAB A 9-12 M W F 324 F A B
07807 LAB B 2-5 M W F 324 F A B

ART 232 INTERMEDIATE COMPOSITION, II.
PREREQUISITE: ART 231.
3 HOURS
07815 LAB A 9-12 M W F 324 F A B
07823 LAB B 2-5 M W F 324 F A B

ART	233	ADVANCED COMPOSITION, I.					
		PREREQUISITE: ART 232.					
		3 HOURS					
	07831	LAB	A	9-12	TU TH	308	F A B
			A	2-5	W	308	F A B
	07840	LAB	B	9-12	TU TH	318	F A B
			B	2-5	W	318	F A B
ART	234	ADVANCED COMPOSITION, II.					
		PREREQUISITE: ART 233.					
		3 HOURS					
	07858	LAB	A	9-12	TU TH	308	F A B
			A	2-5	W	308	F A B
	07866	LAB	B	9-12	TU TH	318	F A B
			B	2-5	W	318	F A B
ART	243	FIGURE PAINTING, I.					
		PREREQUISITE: JUNIOR STANDING IN ART.					
		2 HOURS					
	07874	LAB	A	9-12	TU TH	324	F A B
	07882	LAB	B	2-5	TU TH	324	F A B
	07891	LAB	C	7-10PM	TU TH	324	F A B
ART	244	FIGURE PAINTING, II.					
		PREREQUISITE: ART 243.					
		2 HOURS					
	07904	LAB	A	9-12	TU TH	324	F A B
	07912	LAB	B	2-5	TU TH	324	F A B
	07921	LAB	C	7-10PM	TU TH	324	F A B
ART	245	ADVANCED PAINTING AND DRAWING, I.					
		PREREQUISITE: ART 226 AND 244.					
		3 HOURS					
	07939	LAB	A	9-12	M W F	308	F A B
	07947	LAB	B	9-12	M W F	318	F A B
ART	246	ADVANCED PAINTING AND DRAWING, II.					
		PREREQUISITE: ART 245.					
		3 HOURS					
	07955	LAB	A	9-12	M W F	308	F A B
	07963	LAB	B	9-12	M W F	318	F A B
ART	248	SPECIAL PROBLEMS.					
		PREREQUISITE: JUNIOR STANDING IN ART AND CONSENT OF INSTRUCTOR.					
		2 HOURS					
	07971	LAB-DISC	A	ARR		1398	F A B WICKS
ART	251	ADVANCED SCULPTURE, I.					
		PREREQUISITE: ART 152.					
		2 HOURS					
	07980	LAB	A	2-5	M F	25	F A B
	07998	LAB	B	2-5	TU TH	25	F A B
	08004	LAB	C	7-10PM	TU TH	25	F A B
ART	252	ADVANCED SCULPTURE, II.					
		PREREQUISITE: ART 251.					
		2 HOURS					
	08012	LAB	A	2-5	M F	25	F A B
	08021	LAB	B	2-5	TU TH	25	F A B
	08039	LAB	C	7-10PM	TU TH	25	F A B
ART	253	INTERMEDIATE SCULPTURE, I.					
		PREREQUISITE: ART 152.					
		2 HOURS					
	08047	LAB	A	2-5	M F	25	F A B
	08055	LAB	B	2-5	TU TH	25	F A B
	08063	LAB	C	7-10PM	TU TH	25	F A B
ART	254	INTERMEDIATE SCULPTURE, II.					
		PREREQUISITE: ART 253.					
		2 HOURS					
	08071	LAB	A	2-5	M F	25	F A B
	08080	LAB	B	2-5	TU TH	25	F A B
	08098	LAB	C	7-10PM	TU TH	25	F A B

ART 255 SCULPTURE MATERIALS AND TECHNIQUES, I.
 PREREQUISITE: ART 152 AND JUNIOR STANDING IN SCULPTURE.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08101	LAB	A	*2-5	M	F	25	F A B
08110	LAB	B	*2-5	TU TH		25	F A B
08128	LAB	C	*7-10PM	TU TH		25	F A B

ART 256 SCULPTURE MATERIALS AND TECHNIQUES, II.
 PREREQUISITE: ART 255.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08136	LAB	A	*2-5	M	F	25	F A B
08144	LAB	B	*2-5	TU TH		25	F A B
08152	LAB	C	*7-10PM	TU TH		25	F A B

ART 257 ADVANCED SCULPTURE, I.
 PREREQUISITE: ART 254.
 2 HOURS

08161	LAB	A	2-5	M	F	25	F A B
08179	LAB	B	2-5	TU TH		25	F A B
08187	LAB	C	7-10PM	TU TH		25	F A B

ART 258 ADVANCED SCULPTURE, II.
 PREREQUISITE: ART 257.
 2 HOURS

08195	LAB	A	2-5	M	F	25	F A B
08209	LAB	B	2-5	TU TH		25	F A B
08217	LAB	C	7-10PM	TU TH		25	F A B

ART 259 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, I.
 PREREQUISITE: ART 256.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08225	LAB	A	*2-5	M	F	25	F A B
08233	LAB	B	*2-5	TU TH		25	F A B
08241	LAB	C	*7-10PM	TU TH		25	F A B

ART 260 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, II.
 PREREQUISITE: ART 259.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08250	LAB	A	*2-5	M	F	25	F A B
08268	LAB	B	*2-5	TU TH		25	F A B
08276	LAB	C	*7-10PM	TU TH		25	F A B

ART 263 REPRODUCTION GRAPHICS.
 PREREQUISITE: JUNIOR STANDING IN GRAPHIC DESIGN.
 FIELD TRIPS REQUIRED.
 2 HOURS

08284	LAB	A	9-12	TU TH		319	F A B	PERLMAN
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ART 264 TELEVISION GRAPHICS.
 PREREQUISITE: SENIOR STANDING IN GRAPHIC DESIGN.
 2 HOURS

08292	LAB	A	9-12	TU TH		311	F A B	KORBUS
08306	LAB	B	2-5	TU TH		311	F A B	KORBUS

ART 265 GRAPHIC DESIGN, I.
 PREREQUISITE: ART 161 AND 162 FOR GRAPHIC DESIGN MAJORS; JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR FOR OTHERS.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08314	LAB	A	*2-5	TU TH		319	F A B
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ART 266 GRAPHIC DESIGN, II.
 PREREQUISITE: ART 265.
 3 HOURS
 *THREE HOURS TO BE ARRANGED.

08322	LAB	A	*9-12	M	F	319	F A B
08331	LAB	B	*2-5	M	F	319	F A B

ART	267	GRAPHIC DESIGN, III. PREREQUISITE: ART 266. 3 HOURS									
	08349	LAB	A	9-12	M	W	F	319	F	A	B
	08357	LAB	B	2-5	M	W	F	319	F	A	B
ART	268	GRAPHIC DESIGN, IV. PREREQUISITE: ART 267. 3 HOURS									
	08365	LAB	A	9-12	M	W	F	319	F	A	B
	08373	LAB	B	2-5	M	W	F	319	F	A	B
ART	271	MATERIALS AND PROCESSES, I. PREREQUISITE: ART 134. 3 HOURS									
	08381	LAB	A	2-5	M	W	F	20	F	A	B
			A	2-5	M	W	F	32	F	A	B
	08390	LAB	B	9-12	M	W	F	20	F	A	B
			B	9-12	M	W	F	32	F	A	B
ART	272	MATERIALS AND PROCESSES, II. PREREQUISITE: ART 271. 3 HOURS									
	08403	LAB	A	2-5	M	W	F	20	F	A	B
			A	2-5	M	W	F	32	F	A	B
	08411	LAB	B	9-12	M	W	F	20	F	A	B
			B	9-12	M	W	F	32	F	A	B
ART	275	INDUSTRIAL DESIGN, I. PREREQUISITE: ART 134. FIELD TRIP REQUIRED. 3 HOURS									
	08420	LAB	A	9-12	M	W	F	40	F	A	B
	08438	LAB	B	2-5	M	W	F	40	F	A	B
ART	276	INDUSTRIAL DESIGN, II. PREREQUISITE: ART 275. FIELD TRIP REQUIRED. 3 HOURS									
	08446	LAB	A	9-12	M	W	F	40	F	A	B
	08454	LAB	B	2-5	M	W	F	40	F	A	B
ART	277	ADVANCED INDUSTRIAL DESIGN, I. PREREQUISITE: ART 276. 5 HOURS									
	08462	LAB	A	9-12	TU	TH	S	12	F	A	B
			A	2-5	TU	TH		12	F	A	B
ART	278	ADVANCED INDUSTRIAL DESIGN, II. PREREQUISITE: ART 277. 5 HOURS									
	08471	LAB	A	9-12	TU	TH	S	12	F	A	B
			A	2-5	TU	TH		12	F	A	B
ART	281	FREEHAND DRAWING, V. PREREQUISITE: ART 184. 2 HOURS									
	08489	LAB	A	1-4	TU	TH		201	SURV BLDG	BRITSKY & STAFF	
	08497	LAB	B	9-12	TU	TH		201	SURV BLDG		
	08501	LAB	C	1-4	TU	TH		229	F A B		
	08519	LAB	D	9-12	TU	TH		104	SURV BLDG		
	08527	LAB	E	1-4	TU	TH		202	SURV BLDG		
	08535	LAB	F	9-12	TU	TH		229	F A B		
ART	282	FREEHAND DRAWING, VI. PREREQUISITE: ART 281. 2 HOURS									
	08543	LAB	A	1-4	TU	TH		201	SURV BLDG	BRITSKY & STAFF	
	08551	LAB	B	9-12	TU	TH		201	SURV BLDG		
	08560	LAB	C	1-4	TU	TH		229	F A B		
	08578	LAB	D	9-12	TU	TH		104	SURV BLDG		
	08586	LAB	E	1-4	TU	TH		202	SURV BLDG		
	08594	LAB	F	9-12	TU	TH		229	F A B		

ART	283	PRINTMAKING, I.										
		PREREQUISITE: JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.										
		2 HOURS										
	08608	LAB	A	2-5	M	F	GRAD STUDIO				WICKS	
	08616	LAB	B	9-12		S	GRAD STUDIO				ROWAN	
			B	7-10PM		TH	GRAD STUDIO					
ART	284	PRINTMAKING, II.										
		PREREQUISITE: ART 283.										
		2 HOURS										
	08624	LAB	A	2-5	M	F	GRAD STUDIO					
	08632	LAB	B	9-12		S	GRAD STUDIO					
			B	7-10PM		TH	GRAD STUDIO					
ART	285	LITHOGRAPHY, I.										
		PREREQUISITE: JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.										
		2 HOURS										
	08641	LAB	A	9-12	TU TH		103 SURV 8LOG				DOWELL	
ART	286	LITHOGRAPHY, II.										
		PREREQUISITE: ART 285.										
		2 HOURS										
	08659	LAB	A	2-5	TU TH		103 SURV 8LOG					
ART	288	GLASSWORKING, I.										
		PREREQUISITE: ART 134; JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.										
		2 HOURS										
	86551	LAB	A	2-5	TU TH		151 N E L				MARCUS	
ART	290	CERAMIC RAW MATERIALS.										
		PREREQUISITE: L. A. S. 141, 142, JUNIOR STANDING IN CURRICULUM IN CRAFTS-CERAMIC EMPHASIS.										
		2 HOURS										
	08667	LAB	A	9-12	M	F	152 N E L					
ART	291	GLAZE CALCULATION.										
		PREREQUISITE: L. A. S. 141, 142, ART 290, JUNIOR STANDING IN CURRICULUM IN CRAFTS-CERAMIC EMPHASIS.										
		2 HOURS										
	08675	LAB	A	9-12	M	F	152 N E L					
ART	292	INTRODUCTION TO METAL DESIGN IN JEWELRY.										
		PREREQUISITE: JUNIOR STANDING IN CURRICULUM IN CRAFTS.										
		3 HOURS										
	08683	LAB	A	9-12	M W F		24 D K H					
	08691	LAB	B	2-5	M W F		24 D K H					
ART	293	DEVELOPMENT OF METAL DESIGN IN JEWELRY.										
		PREREQUISITE: ART 292.										
		3 HOURS										
	08705	LAB	A	9-12	TUWTH		24 D K H					
ART	294	CERAMIC DESIGN, I.										
		PREREQUISITE: JUNIOR STANDING IN CURRICULUM IN CRAFTS.										
		3 HOURS										
	08713	LAB	A	ARR			152 N E L					
ART	295	CERAMIC DESIGN, II.										
		PREREQUISITE: ART 294.										
		3 HOURS										
	08721	LAB	A	ARR			152 N E L					
ART	296	DECORATIVE METAL TECHNIQUES.										
		PREREQUISITE: ART 293.										
		5 HOURS										
	08730	LAB	A	9-12	MTUWTHF		24 D K H					
ART	297	CONSTRUCTION OF HOLLOW AND FLATWARE IN SILVERSMITHING.										
		PREREQUISITE: ART 296.										
		5 HOURS										
	08748	LAB	A	9-12	MTUWTHF		24 D K H					

ART 298 CERAMIC DESIGN, III.
PREREQUISITE: ART 295.
5 HOURS
08756 LAB A 9-12 MTWTHF 152 N E L

ART 299 CERAMIC DESIGN, IV.
PREREQUISITE: ART 298.
5 HOURS
08764 LAB A 9-12 MTWTHF 152 N E L

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART 380 DRAWING.
PREREQUISITE: CONSENT OF INSTRUCTOR. FOR GRADUATE STUDENTS,
CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE.
2 HOURS, OR 1/2 TO 1 UNIT
08772 LAB A 7-10PM TU TH 229 F A B
08781 LAB 8 ARR

GUNTER

ART 381 PAINTING.
PREREQUISITE: ART 142 OR EQUIVALENT, FOR GRADUATE STUDENTS,
CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES
FOR M. F. A. IN PAINTING.
*COURSE MAY BE REPEATED FOR A TOTAL OF TWO UNITS.
*2 TO 4 HOURS, OR 1/2 TO 1 UNIT
08799 LAB A ARR 136 F A B

BRAOSHAW

ART 382 PAINTING MATERIALS AND TECHNIQUES.
PREREQUISITE: ART 142 OR GRADUATE STANDING IN ART.
2 HOURS OR 1/2 UNIT
08802 LAB A 7-10PM TUV 339 F A B

KENNEDY

ART 383 PRINT MEDIA.
PREREQUISITE: ART 284 OR EQUIVALENT. FOR GRADUATE STUDENTS,
CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES
FOR M. F. A. IN PAINTING.
2 HOURS, OR 1/2 TO 1 UNIT
08811 LAB A ARR GRAD STUDIO WICKS
08829 LAB 8 ARR GRAD STUDIO ROWAN

ART 385 LITHOGRAPHY.
PREREQUISITE: ART 286 OR, FOR GRADUATE STUDENTS, CONSENT OF
DEPARTMENTAL GRADUATE COMMITTEE.
2 HOURS, OR 1/2 TO 1 UNIT
08837 LAB A ARR 103 SURV BLOG

OWELL

ART 387 PHOTOGRAPHY.
PREREQUISITE: ART 216 OR EQUIVALENT, AND CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR A TOTAL OF 6 HOURS OR 2 UNITS.
*3 HOURS OR 1/2 TO 1 UNIT
08845 LAB A ARR 132 F A B

SINSABAUGH

ART 391 ADVANCED SCULPTURE TECHNIQUES.
PREREQUISITE: ART 252 OR EQUIVALENT.
2 HOURS, OR 1/2 TO 1 UNIT
08853 LAB A ARR 25 F A B

GALLO

ART 392 SILVERSMITHING, I.
PREREQUISITE: CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 TO 1 UNIT
08861 LAB A 9-12 M F 24 D K H
08870 LAB 8 2-5 M F 24 D K H

VON NEUMANN
VON NEUMANN

ART 393 SILVERSMITHING, II.
PREREQUISITE: CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 TO 1 UNIT
08888 LAB A ARR 24 D K H

VON NEUMANN

ART 394 CERAMIC DESIGN.
PREREQUISITE: ART 295 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 TO 2 UNITS
08896 LAB A ARR 152 N E L

FRITH

COURSES FOR GRADUATES

ART	450	STUDIES IN MODERN ART.					
		PREREQUISITE: CONSENT OF INSTRUCTOR.					
		1 UNIT					
	08900	CONF	A	ARR	217 D K H	ZIFF	
ART	467	GRAPHIC DESIGN LABORATORY.					
		PREREQUISITE: B. F. A. IN GRAPHIC DESIGN OR EQUIVALENT.					
		1 TO 3 UNITS					
	08918	LAB	A	ARR	327 F A B	PERLMAN	
ART	477	INDUSTRIAL DESIGN LABORATORY.					
		PREREQUISITE: BACHELOR OF FINE ARTS DEGREE IN INDUSTRIAL DESIGN OR THE EQUIVALENT.					
		1 TO 3 UNITS					
	08926	LAB	A	ARR	128 F A B	ZAGORSKI	
ART	491	SPECIAL PROBLEMS.					
		1/2 TO 2 UNITS					
	08934	LAB	A	ARR	GRAD STUDIO	STAFF	
	08942	LAB	B	ARR	GRAD STUDIO	STAFF	
ART	492	INDIVIDUAL READINGS IN HISTORY OF ART.					
		PREREQUISITE: CONSENT OF INSTRUCTOR.					
		1/2 TO 1 UNIT					
	08951	CONF	A	ARR		STAFF	
ART	493	SEMINAR.					
		PREREQUISITE: GRADUATE STANDING IN ART.					
		1 UNIT					
	08969	CONF	A	7-10PM M	133 F A B	MORGAN, MORRIS	
ART	494	STUDIES IN THE DEVELOPMENT OF ART HISTORY AND CRITICISM.					
		PREREQUISITE: GRADUATE STANDING IN ART AND CONSENT OF INSTRUCTOR.					
		1 UNIT					
	08977	CONF	A	ARR			
ART	495	PAINTING LABORATORY.					
		1/2 TO 3 UNITS					
	08985	LAB	A	ARR	GRAD STUDIO	SAVAGE AND OTHERS	
ART	496	SCULPTURE LABORATORY.					
		PREREQUISITE: GRADUATE STANDING IN ART AND PERMISSION OF THE DEPARTMENTAL GRADUATE COMMITTEE.					
		1 TO 3 UNITS					
	08993	LAB	A	ARR	ART SCULPT	GALLO	
ART	497	PRINT WORKSHOP.					
		PREREQUISITE: GRADUATE STANDING IN ART.					
		1/2 TO 3 UNITS					
	09000	LAB	A	ARR	GRAD STUDIO	ROWAN	
	09018	LAB	B	ARR	103 SURV BLDG	DOWELL	
ART	499	THESIS RESEARCH.					
		PREREQUISITE: FULL GRADUATE STANDING IN HISTORY OF ART.					
		0 TO 4 UNITS					
	09026	CONF	A	ARR		STAFF	

ASIAN STUDIES

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

AN UNDERGRADUATE MINOR IN ASIAN STUDIES IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES REQUIRES AT LEAST TWENTY SEMESTER HOURS. THE TWENTY HOURS MUST INCLUDE ASIAN STUDIES 202 AND THE REMAINDER DISTRIBUTED AMONG AT LEAST THREE DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. COURSES USED FOR MAJOR CREDIT MAY NOT BE INCLUDED WITHIN THE TWENTY HOURS FOR THE MINOR. IT IS ADVISABLE EITHER TO INCLUDE IN THE MINOR, OR TO ACCOMPANY THE MINOR WITH, ONE OF THE 201-202 ASIAN LANGUAGE SEQUENCES OFFERED. BURMESE, CHINESE, INDOONESIAN, AND JAPANESE ARE OFFERED BY THE CENTER FOR ASIAN STUDIES. HINDI, ARABIC AND MODERN HEBREW ARE GIVEN IN THE DEPARTMENT OF LINGUISTICS. STUDENTS INTENDING TO MINOR IN ASIAN STUDIES SHOULD NOTIFY THE CENTER OFFICE.

A CANDIDATE FOR A MASTER'S DEGREE WHO ELECTS ASIAN STUDIES AS A MINOR MUST EARN AT LEAST TWO UNITS OF GRADUATE CREDIT IN AT LEAST TWO DEPARTMENTS FROM THE COURSES LISTED BELOW.

A DOCTORAL CANDIDATE WHO ELECTS ASIAN STUDIES AS A MINOR MUST EARN AT LEAST FOUR UNITS OF GRADUATE CREDIT IN AT LEAST TWO DEPARTMENTS FROM THE COURSES LISTED BELOW. ALSO THE DOCTORAL CANDIDATE MUST, PRIOR TO THE COMPLETION OF HIS COURSE REQUIREMENTS FOR THE DEGREE, COMPLETE SATISFACTORILY ONE OF THE FOLLOWING: ARABIC 304, BURMESE 304, CHINESE 304, HINDI 304, INDOONESIAN 304, JAPANESE 304, OR EQUIVALENT. THE COURSES CHOSEN FOR THE GRADUATE MINOR MUST BE IN DEPARTMENTS OUTSIDE THE CANDIDATE'S MAJOR. STUDENTS SHOULD BE ADVISED TO CONSULT WITH THE CENTER OFFICE FOR OTHER COURSES THAT MAY BE ACCEPTABLE FOR CREDIT TOWARD THE MINOR.

STUDENTS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF EAST, SOUTHEAST, SOUTH, AND MIDDLE EAST ASIAN AFFAIRS AND CULTURES ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE DIRECTOR AND FACULTY MEMBERS OF THE CENTER FOR ASIAN STUDIES IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. THE CENTER IS DESIGNATED A NATIONAL DEFENSE EDUCATION ACT (N.D.E.A.) LANGUAGE AND AREA STUDIES CENTER. THE DIRECTOR IS PROFESSOR ROBERT B. CRAWFORD, ASSOCIATE DIRECTOR IS G. L. TIKKU, ROOM 201, 1208 WEST CALIFORNIA, URBANA.

BELOW ARE LISTED COURSES ACCEPTABLE TOWARD THE ASIAN STUDIES MINOR. FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS.

ANTH	315, 316, 366, 368, 375	HIST	209, 210, 298, 307, 308
	383, 409, 410, 450		387, 388, 389, 390, 391
ARAB	201, 202, 203, 204, 303		392, 393, 394, 395, 396
	304, 305, 306, 307, 308		397, 398, 399, 409, 441
ART	209, 302, 306, 316, 326		443, 445
	327, 328, 452, 453	INDON	201, 202, 303, 304
AS ST	202, 295	JAPAN	201, 202, 205, 206, 303
BURM	201, 202, 303, 304		304, 305, 306, 309, 310
CHIN	201, 202, 205, 206, 303	LAW	371
	304, 305, 306, 307, 308	LING	303, 350, 351, 360, 382
	309, 310		383, 409, 410, 490
C LIT	309	MUSIC	316, 317
ECON	353, 358	PERS	201, 202, 205, 309
GEOL	351, 357	PHIL	361
M HBR	201, 202, 303, 304	POL S	337, 338, 347, 348, 349
HINDI	201, 202, 303, 304, 305		380, 389, 437, 446, 448
	306, 307, 308, 309		449
		R SOC	343
		SOC	328, 343, 355, 371

COURSES FOR ADVANCED UNDERGRADUATES

AS ST 202 INTERDISCIPLINARY PRO-SEMINAR IN ASIAN STUDIES.
PREREQUISITE: CONSENT OF INSTRUCTOR.

4 HOURS

OPEN TO FRESHMEN.

09034

LECT-DISC

130-330

TU TH

1 G H

CRAWFORD

AS ST 295 READINGS COURSE.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 2 TO 4 HOURS
 OPEN TO FRESHMEN.
 09042 CONF ARR

ASTRONOMY

DEPARTMENT OFFICE

103 OBSERV

MAJOR: TWENTY HOURS IN ASTRONOMY EXCLUDING ASTRONOMY 101. PHYSICS COURSES AT THE 300-LEVEL MAY BE SUBSTITUTED FOR ASTRONOMY COURSES TO THE EXTENT OF SIX HOURS AS PART OF THE MAJOR.

MINOR: TWENTY HOURS WHICH MUST INCLUDE PHYSICS 106, 107, AND 108. THE REMAINING EIGHT HOURS MAY BE TAKEN IN PHYSICS OR IN ONE OF THE FOLLOWING SUBJECTS: CHEMISTRY, GEOLOGY, MATHEMATICS, PHILOSOPHY. IF TWO SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH.

INDIVIDUAL INSTRUCTION IS PROVIDED FOR SUPERIOR UNDERGRADUATE STUDENTS AT HOURS TO BE ARRANGED.

COURSES FOR UNDERGRADUATES

ASTR 101 DESCRIPTIVE ASTRONOMY.
 NOT OPEN TO STUDENTS WHO HAVE HAD TWO OR MORE SEMESTERS OF COLLEGE PHYSICS.
 *CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
 *4 HOURS
 STUDENTS MUST REGISTER IN THE LECTURE AND IN ANY ONE DISCUSSION SECTION.

09051	LECT		2	M W F	124	BUR HALL	WYATT
09069	DISC	A	730PM	M	217	G H	
09077	DISC	B	730PM	TU	217	G H	
09085	DISC	C	730PM	W	217	G H	
09093	DISC	D	730PM	TH	217	G H	

ASTR 102 DESCRIPTIVE ASTRONOMY.
 PREREQUISITE: ASTR. 101.
 *CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
 *4 HOURS
 STUDENTS WHO REGISTER IN LECTURE 1 MUST REGISTER IN DISCUSSION A, B C OR D. STUDENTS WHO REGISTER IN LECTURE 2 MUST REGISTER IN DISCUSSION G OR H.

09115	LECT	1	1	M W F	124	BUR HALL	CAHN
09123	DISC	A	730PM	M	219	G H	
09131	DISC	B	730PM	TU	219	G H	
09140	DISC	C	730PM	W	219	G H	
09158	DISC	D	730PM	TH	219	G H	
09166	LECT	2	2	M W F	202	H H	KALER
09174	DISC	G	730PM	M	221	G H	
09182	DISC	H	730PM	TU	221	G H	
09107	DISC	I	730PM	W	221	G H	

COURSES FOR ADVANCED UNDERGRADUATES

ASTR 210 GENERAL ASTRONOMY.
 PREREQUISITE: TWO SEMESTERS OF COLLEGE PHYSICS.
 *CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 101 OR ASTR. 102.
 *3 HOURS

09191	LECT		1	M W F	161	N L	KALER
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ASTR	302	ASTROPHYSICS OF THE SUN. PREREQUISITE: ASTR. 301. 3 HOURS OR 1 UNIT	10	M W F	124	OBSERV	DICKEL
	09204	LECT					
ASTR	307	CELESTIAL MECHANICS. PREREQUISITE: ASTR. 306 OR PHYCS. 322. 3 HOURS OR 1 UNIT	9	M W F	124	OBSERV	AVNER
	09212	LECT					
ASTR	314	OBSERVATIONAL ASTRONOMY. SAME AS C.E. 305. PREREQUISITE: MATH. 142 OR 143; ASTR. 102 OR 210 OR C. E. 201. 4 HOURS OR 1 UNIT *THREE HOURS OBSERVATIONAL WORK TO BE ARRANGED	*2	M W F	124	OBSERV	SWENSON
	09221	LECT					
ASTR	321	STELLAR SYSTEMS, I. PREREQUISITE: ASTR. 102 OR 210, PHYSICS 108. 3 HOURS OR 1 UNIT	3	M W F	124	OBSERV	YOSS
	09239	LECT					
ASTR	366	AERONOMY: PHYSICS OF THE UPPER ATMOSPHERE AND SPACE. SAME AS E. E. AND PHYCS. 366. PREREQUISITE: PHYCS. 342, 321 AND 381; OR CONSENT OF INSTRUCTOR. 4 HOURS OR 1 UNIT	230-4	TU TH	158	P B	
	09247	LECT-DISC					

COURSES FOR GRADUATES

ASTR	404	THEORY OF STELLAR STRUCTURE. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	1	M W F	124	OBSERV	OLSON
	09255	LECT					
ASTR	415	EXPERIMENTAL METHODS IN RADIO ASTRONOMY. PREREQUISITE: CONSENT OF INSTRUCTOR. *STUDENTS MAY ACCUMULATE TWO UNITS. *1 UNIT	ARR				SWENSON
	09263	CONF					
ASTR	424	RELATIVITY AND COSMOLOGY. SAME AS MATH. 460 AND PHYCS. 424. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	2	M W F	64	M E B	MCVITTIE
	09271	LECT					
ASTR	433	SOLAR SYSTEM ASTROPHYSICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	11	M W F	124	OBSERV	WYATT, DICKEL
	09280	LECT					
ASTR	486	CONSTITUTION OF THE IONOSPHERE: AN INTRODUCTION TO AERONOMY. SAME AS E. E. 486. PREREQUISITE: GRADUATE STANDING IN ELECTRICAL ENGINEERING, PHYSICS, OR ASTRONOMY, MATH. 341 OR EQUIVALENT. 1 UNIT	2	M W F	335	E E B	BOWHILL
	09298	DISC					
ASTR	491	SEMINAR IN SPECIAL TOPICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 TO 4 UNITS					
	09301	LECT-DISC	A	4	M W F	221	G H
	09310	LECT-DISC	B	4	TU TH	221	G H
							STAFF
ASTR	499	THESIS RESEARCH 0 TO 4 UNITS					
	09328	CONF	ARR				STAFF

AVIATION

DEPARTMENT OFFICE

U OF I WILLARD AIRPORT

COURSES OFFERED BY THE INSTITUTE OF AVIATION ARE OPEN TO STUDENTS AND FACULTY IN ALL DEPARTMENTS OF THE UNIVERSITY, SUBJECT TO LIMITATIONS IMPOSED BY THE AVAILABILITY OF SPACE AND EQUIPMENT. CREDIT FOR INSTITUTE OF AVIATION COURSES IS GENERAL UNIVERSITY CREDIT. HOWEVER, ITS USE AS CREDIT TOWARD GRADUATION IS A MATTER FOR EACH COLLEGE TO PASS UPON.

THE FEE FOR EACH INSTITUTE OF AVIATION FLIGHT COURSE IS \$475. IT WILL BE NECESSARY FOR THE AVIATION 101 STUDENT TO OBTAIN AN F.A.A. MEDICAL CERTIFICATE AT HIS OWN EXPENSE. STUDENTS IN AVI. 104 ARE REQUIRED TO POSSESS A CURRENT SECOND CLASS F.A.A. MEDICAL CERTIFICATE AT THE TIME OF REGISTRATION.

BUS TRANSPORTATION BETWEEN THE CAMPUS AND AIRPORT IS PROVIDED FREE OF CHARGE TO ALL STUDENTS REGISTERED IN AVIATION COURSES. THE DAILY BUS SCHEDULE, WITH ROUTINGS, IS LISTED SEPARATELY IMMEDIATELY FOLLOWING THE FLIGHT COURSES. STUDENTS MAY PROVIDE THEIR OWN TRANSPORTATION IF THEY WISH. IN EITHER EVENT, ALL STUDENTS REGISTERING FOR AVIATION COURSES SHOULD SELECT THE APPROPRIATE BUS SECTIONS IN ORDER TO AVOID CONFLICTS WITH ON-CAMPUS COURSES.

DEPARTMENTAL APPROVAL IS REQUIRED PRIOR TO REGISTRATION IN ANY FLIGHT COURSE. ONLY GRADUATE STUDENTS AND SENIORS WILL BE PERMITTED TO REGISTER ON THE FIRST DAY OF ADVANCED REGISTRATION, JUNIORS WILL BE PERMITTED TO REGISTER ON THE SECOND DAY, SOPHOMORES ON THE THIRD DAY, AND FRESHMAN ON THE FOURTH DAY. DURING THE ADVISING PERIOD OF ADVANCE ENROLLMENT, EACH STUDENT PLANNING TO REGISTER FOR A FLIGHT COURSE MUST GO TO 317 E H FOR APPROVAL AND SECTIONING.

COURSES FOR UNDERGRADUATES

IN SOME CASES TWO OR MORE FLIGHT COURSES MAY BE TAKEN CONCURRENTLY BY SPECIAL PERMISSION.

AVI 101 PRIVATE PILOT.

3 HOURS

NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED. EACH AVI. 101 STUDENT MUST REGISTER FOR ONE LECT., ONE DISC. AND ONE FLIGHT SECTION.

09336	LECT	A	9	TU TH S	400	E H	EMANUEL
09344	LECT	B	11	M W F	400	E H	FOY
09352	LECT	C	2	M W F	400	E H	FOY
09361	DISC	A	730-930PM	M	305	E H	BENN & STAFF
09379	DISC	B	730-930PM	TU	305	E H	BENN & STAFF
09387	FLT	F 1	8-930	M W F		AIRPORT	DOVENMIRE AND STAFF
09395	FLT	F 2	930-11	M W F		AIRPORT	
09409	FLT	F 3	1230-2	M W F		AIRPORT	
09417	FLT	F 4	2-330	M W F		AIRPORT	
09425	FLT	F 5	330-5	M W F		AIRPORT	
09433	FLT	F 6	8-930	TU TH S		AIRPORT	
09441	FLT	F 7	930-11	TU TH S		AIRPORT	
09450	FLT	F 8	1230-2	TU TH S		AIRPORT	
09468	FLT	F 9	2-330	TU TH S		AIRPORT	
09476	FLT	F 10	330-5	TU TH S		AIRPORT	

AVI 102 SECONDARY FLIGHT.
 PREREQUISITE: AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

09484	LECT-DISC	A	8	TU TH S	400	E H	QUISLING
09492	LECT-DISC	B	3	M W F	400	E H	QUISLING
09506	FLT	F 1	8-930	M W F		AIRPORT	POVENMIRE AND
09514	FLT	F 2	930-11	M W F		AIRPORT	STAFF
09522	FLT	F 3	1230-2	M W F		AIRPORT	
09531	FLT	F 4	2-330	M W F		AIRPORT	
09549	FLT	F 5	330-5	M W F		AIRPORT	
09557	FLT	F 6	8-930	TU TH S		AIRPORT	
09565	FLT	F 7	930-11	TU TH S		AIRPORT	
09573	FLT	F 8	1230-2	TU TH S		AIRPORT	
09581	FLT	F 9	2-330	TU TH S		AIRPORT	
09590	FLT	F10	330-5	TU TH S		AIRPORT	

AVI 103 INTERMEDIATE FLIGHT.
 PREREQUISITE: AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

09603	LECT-DISC	A	9	M W F	400	E H	QUISLING
09611	LECT-DISC	B	1-230	TU TH	400	E H	QUISLING
09620	FLT	X 1	8-12	M		AIRPORT	GORDON AND
09638	FLT	X 2	1-5	M		AIRPORT	STAFF
09646	FLT	X 3	8-12	TU		AIRPORT	
09654	FLT	X 4	1-5	TU		AIRPORT	
09662	FLT	X 5	8-12	W		AIRPORT	
09671	FLT	X 6	1-5	W		AIRPORT	
09689	FLT	X 7	8-12	TH		AIRPORT	
09697	FLT	X 8	1-5	TH		AIRPORT	
09701	FLT	X 9	8-12	F		AIRPORT	
09719	FLT	X10	1-5	F		AIRPORT	
09727	FLT	X11	8-12	S		AIRPORT	
09735	FLT	X12	1-5	S		AIRPORT	

AVI 104 ADVANCED FLIGHT.
 PREREQUISITE: AVI. 102 AND 103, CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

09743	LECT-DISC		9	M W F	160	M E B	EMANUEL
09751	FLT	F 3	1230-2	M W F		AIRPORT	GORDON AND
09760	FLT	F 4	2-330	M W F		AIRPORT	STAFF
09778	FLT	F 5	330-5	M W F		AIRPORT	
09786	FLT	F 6	8-930	TU TH S		AIRPORT	
09794	FLT	F 7	930-11	TU TH S		AIRPORT	
09808	FLT	F 8	1230-2	TU TH S		AIRPORT	
09816	FLT	F 9	2-330	TU TH S		AIRPORT	
09824	FLT	F10	330-5	TU TH S		AIRPORT	

COURSES FOR ADVANCED UNDERGRADUATES

AVI 205 FLIGHT INSTRUCTOR.
 PREREQUISITE: COMMERCIAL PILOT CERTIFICATE, JUNIOR STANDING, CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

09832	LECT-DISC		4	M W F	400	E H	EMANUEL
09841	FLT	F 1	8-930	M W F		AIRPORT	GORDON AND
09859	FLT	F 2	930-11	M W F		AIRPORT	STAFF
09867	FLT	F 3	1230-2	M W F		AIRPORT	
09875	FLT	F 4	2-330	M W F		AIRPORT	
09883	FLT	F 6	8-930	TU TH S		AIRPORT	
09891	FLT	F 7	930-11	TU TH S		AIRPORT	
09905	FLT	F 8	1230-2	TU TH S		AIRPORT	
09913	FLT	F 9	2-330	TU TH S		AIRPORT	
09921	FLT	F10	330-5	TU TH S		AIRPORT	

AVI 206 BASIC INSTRUMENT FLIGHT TECHNIQUES.
 PREREQUISITE: COMMERCIAL PILOT CERTIFICATE, OR EQUIVALENT FLIGHT
 EXPERIENCE, JUNIOR STANDING, CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

DEPT	FLY	F	TIME	M	W	F	TH	SA	STAFF
09930	LECT-DISC		8				400	E H	JAMISON
09948	FLT	F 2	930-11					AIRPORT	GORDON AND
09956	FLT	F 3	1230-2					AIRPORT	STAFF
09964	FLT	F 4	2-330					AIRPORT	
09972	FLT	F 5	330-5					AIRPORT	
09981	FLT	F 6	8-930				TU TH S	AIRPORT	
09999	FLT	F 7	930-11				TU TH S	AIRPORT	
10007	FLT	F 8	1230-2				TU TH S	AIRPORT	
10015	FLT	F 9	2-330				TU TH S	AIRPORT	
10023	FLT	F10	330-5				TU TH S	AIRPORT	

AVI 207 ADVANCED INSTRUMENT FLIGHT PROCEDURES.
 PREREQUISITE: AVI. 206 OR 40 HOURS OF SIMULATED INSTRUMENT
 FLIGHT EXPERIENCE, JUNIOR STANDING CONSENT OF DIRECTOR.
 3 HOURS
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

DEPT	FLY	F	TIME	M	W	F	TH	SA	STAFF
10031	LECT-DISC		8				168	E E B	EMANUEL
10040	FLT	F 2	930-11					AIRPORT	GORDON AND
10058	FLT	F 3	1230-2					AIRPORT	STAFF
10066	FLT	F 4	2-330					AIRPORT	
10074	FLT	F 5	330-5					AIRPORT	
10082	FLT	F 6	8-930				TU TH S	AIRPORT	
10091	FLT	F 7	930-11				TU TH S	AIRPORT	
10104	FLT	F 8	1230-2				TU TH S	AIRPORT	
10112	FLT	F 9	2-330				TU TH S	AIRPORT	
10121	FLT	F10	330-5				TU TH S	AIRPORT	

AVI 291 SPECIAL RATINGS AND/OR SPECIALIZED FLIGHT.
 PREREQUISITE: COMMERCIAL PILOT CERTIFICATE, CONSENT OF DIRECTOR.
 1 HOUR
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

DEPT	FLY	F	TIME	M	W	F	TH	SA	STAFF
10139	DISC		ARR					AIRPORT	BENN AND
10147	FLT	F 1	8-930					AIRPORT	STAFF
10155	FLT	F 2	930-11					AIRPORT	
10163	FLT	F 3	1230-2					AIRPORT	
10171	FLT	F 4	2-330					AIRPORT	
10180	FLT	F 5	330-5					AIRPORT	
10198	FLT	F 6	8-930				TU TH S	AIRPORT	
10201	FLT	F 7	930-11				TU TH S	AIRPORT	
10210	FLT	F 8	1230-2				TU TH S	AIRPORT	
10228	FLT	F 9	2-330				TU TH S	AIRPORT	
10236	FLT	F10	330-5				TU TH S	AIRPORT	

AVI 292 SPECIAL RATING (MULTI-ENGINE LAND).
 PREREQUISITE: COMMERCIAL PILOT CERTIFICATE, CONSENT OF DIRECTOR.
 1 HOUR
 NOTE: DEPARTMENTAL APPROVAL BY CHIEF OF PILOT TRAINING IS REQUIRED.

DEPT	FLY	F	TIME	M	W	F	TH	SA	STAFF
10244	DISC		ARR					AIRPORT	BENN AND
10252	FLT	F 1	8-930					AIRPORT	STAFF
10261	FLT	F 2	930-11					AIRPORT	
10279	FLT	F 3	1230-2					AIRPORT	
10287	FLT	F 4	2-330					AIRPORT	
10295	FLT	F 5	330-5					AIRPORT	
10309	FLT	F 6	8-930				TU TH S	AIRPORT	
10317	FLT	F 7	930-11				TU TH S	AIRPORT	
10325	FLT	F 8	1230-2				TU TH S	AIRPORT	
10333	FLT	F 9	2-330				TU TH S	AIRPORT	
10341	FLT	F10	330-5				TU TH S	AIRPORT	

BUS SCHEDULE AND ROUTE

THE INSTITUTE OF AVIATION BUS MAKES REGULAR TRIPS BETWEEN THE
 AIRPORT AND THE CAMPUS BEGINNING ON THE FIRST DAY OF CLASSES
 AND CONTINUING THROUGH THE LAST DAY OF FINAL EXAMINATIONS.
 THE BUS LEAVES FROM THE CAMPUS PARKING LOCATION
 AT THE NORTH EAST CORNER OF AERO LAB B, AND MAKES REGULAR STOPS
 ON THE WAY TO THE AIRPORT AT THE CORNERS OF SIXTH AND ARMORY
 STREETS, FOURTH STREET AND GREGORY DRIVE, AND FIRST STREET AND
 GREGORY DRIVE. THE TRIP FROM THE AIRPORT BACK TO THE CAMPUS IS
 VIA GREGORY DRIVE AND GOODWIN AVENUE TO THE PARKING LOCATION.
 THE SCHEDULE IS AS FOLLOWS:
 ON THE FIRST TRIP TO THE CAMPUS EACH MORNING THE BUS IS ROUTED
 BETWEEN THE FLORIDA AVENUE AND THE PENNSYLVANIA AVENUE
 RESIDENCE HALLS.

AVI 302 BUS FROM CAMPUS TO AIRPORT.

NO CREDIT

10350	BUS	A 1	730-8	M W F	CAMPUS
10368	BUS	A 2	9-930	M W F	CAMPUS
10376	BUS	A 3	10-1030	M W F	CAMPUS
10384	BUS	A 4	12-1230	M W F	CAMPUS
10392	BUS	A 5	1-130	M W F	CAMPUS
10406	BUS	A 6	2-230	M W F	CAMPUS
10414	BUS	A 7	3-330	M W F	CAMPUS
10422	BUS	A 8	4-430	M W F	CAMPUS
10431	BUS	A 9	730-8	TU TH S	CAMPUS
10449	BUS	A10	9-930	TU TH S	CAMPUS
10457	BUS	A11	10-1030	TU TH S	CAMPUS
10465	BUS	A12	12-1230	TU TH S	CAMPUS
10473	BUS	A13	1-130	TU TH S	CAMPUS
10481	BUS	A14	2-230	TU TH S	CAMPUS
10490	BUS	A15	3-330	TU TH S	CAMPUS
10503	BUS	A16	4-430	TU TH S	CAMPUS

AVI 303 BUS FROM AIRPORT TO CAMPUS.

NO CREDIT

10511	BUS	C 1	830-9	M W F	AIRPORT
10520	BUS	C 2	930-10	M W F	AIRPORT
10538	BUS	C 3	11-1130	M W F	AIRPORT
10546	BUS	C 4	1230-1	M W F	AIRPORT
10554	BUS	C 5	130-2	M W F	AIRPORT
10562	BUS	C 6	230-3	M W F	AIRPORT
10571	BUS	C 7	330-4	M W F	AIRPORT
10589	BUS	C 8	5-530	M W F	AIRPORT
10597	BUS	C 9	830-9	TU TH S	AIRPORT
10601	BUS	C10	930-10	TU TH S	AIRPORT
10619	BUS	C11	11-1130	TU TH S	AIRPORT
10627	BUS	C12	1230-1	TU TH S	AIRPORT
10635	BUS	C13	130-2	TU TH S	AIRPORT
10643	BUS	C14	230-3	TU TH S	AIRPORT
10651	BUS	C15	330-4	TU TH S	AIRPORT
10660	BUS	C16	5-530	TU TH S	AIRPORT

AVIATION
AIRCRAFT MAINTENANCE

COURSES FOR UNDERGRADUATES

AVI 150 AIRCRAFT ENGINE OVERHAUL.

PREREQUISITE: FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.

3 HOURS

NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 150 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 152 AND AVI. 154.

SECTIONS MEET FOR 5 WEEKS.

10678	LECT	A	8-10	M W F	Q7 AIRPORT	FOX AND STAFF
	LAB	A	10-12	M W F	Q7 AIRPORT	
		A	930-12	TU TH	Q7 AIRPORT	
10686	LECT	B	3-5	M W F	Q7 AIRPORT	GARRETS AND MYLIN
	LAB	B	130-3	MTUW F	Q7 AIRPORT	
		B	3-5	TU	Q7 AIRPORT	
		B	230-5	TH	Q7 AIRPORT	

AVI 152 AIRCRAFT ENGINE ACCESSORY OVERHAUL.

PREREQUISITE: FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.

3 HOURS

NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 152 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 150 AND AVI. 154.

SECTIONS MEET FOR 5 WEEKS.

10694	LECT	A	ARR	Q4 AIRPORT	FOX AND STAFF
	LAB	A	ARR	Q4 AIRPORT	
10708	LECT	B	ARR	Q4 AIRPORT	GARRETS AND MYLIN
	LAB	B	ARR	Q4 AIRPORT	

AVI 153 AIRCRAFT SHOP PRACTICE.

3 HOURS

10716	LECT		1230	TU	Q3 AIRPORT	GARRETS
	LAB		1230-220	TH	Q3 AIRPORT	GARRETS

AVI 154 AIRCRAFT PROPELLERS.
PREREQUISITE: FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.
3 HOURS
NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 154 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 150 AND AVI. 152.
SECTIONS MEET FOR 5 WEEKS.

10724	LECT	A	ARR		Q3 AIRPORT	FOX AND
	LAB	A	ARR		Q3 AIRPORT	STAFF
10732	LECT	B	ARR		Q3 AIRPORT	GARRETS AND
	LAB	B	ARR		Q3 AIRPORT	MYLIN

AVI 155 AIRCRAFT MATHEMATICS.
3 HOURS

10741	LECT-DISC	A	8-915	TU TH	Q3 AIRPORT	TRULOCK AN
10759	LECT-DISC	B	1230	M W F	Q3 AIRPORT	STAFF

AVI 158 AIRCRAFT OVERHAUL.
3 HOURS
NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 158 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 160 AND AVI. 162.
SECTIONS MEET FOR 5 WEEKS.

10767	LECT-DISC	A	1030-1230	M W F	Q8 AIRPORT	APPLEGATE
	LAB	A	8-10	TU TH	Q8 AIRPORT	APPLEGATE
		A	1-230	MTUWTHF	Q8 AIRPORT	
10775	LECT-DISC	B	930-1130	M W F	Q8 AIRPORT	LINDER
	LAB	B	1130	M W F	Q8 AIRPORT	LINDER
		B	8-12	TU TH	Q8 AIRPORT	
10783	LECT-DISC	C	1230-230	M W F	Q8 AIRPORT	STAFF
	LAB	C	230-5	M W F	Q8 AIRPORT	STAFF
		C	3-5	TU TH	Q8 AIRPORT	

AVI 160 AIRCRAFT RIGGING AND ASSEMBLY.
2 HOURS
NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 160 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 158 AND AVI. 162.
SECTIONS MEET FOR 5 WEEKS.

10791	LECT-DISC	A	ARR		Q8 AIRPORT	APPLEGATE
	LAB	A	ARR		Q8 AIRPORT	APPLEGATE
10805	LECT-DISC	B	ARR		Q8 AIRPORT	LINDER
	LAB	B	ARR		Q8 AIRPORT	LINDER
10813	LECT-DISC	C	ARR		Q8 AIRPORT	STAFF
	LAB	C	ARR		Q8 AIRPORT	STAFF

AVI 161 AIRPORT SHOP MANAGEMENT.
3 HOURS

10821	LECT-DISC		8-915	TU TH	Q8 AIRPORT	FOX
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AVI 162 AIRCRAFT SYSTEMS AND APPLIANCES.
3 HOURS
NOTE: A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 162 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 158 AND AVI. 160.
SECTIONS MEET FOR 5 WEEKS.

10830	LECT-DISC	A	ARR		Q8 AIRPORT	APPLEGATE
	LAB	A	ARR		Q8 AIRPORT	APPLEGATE
10848	LECT-DISC	B	ARR		Q8 AIRPORT	LINDER
	LAB	B	ARR		Q8 AIRPORT	LINDER
10856	LECT-DISC	C	ARR		Q8 AIRPORT	STAFF
	LAB	C	ARR		Q8 AIRPORT	STAFF

AVI 168 PROBLEMS OF AIRCRAFT MAINTENANCE.
PREREQUISITE: SOPHOMORE STANDING.
2 HOURS

10864	LECT-DISC	A	10	TU TH	Q8 AIRPORT	APPLEGATE
10872	LECT-DISC	B	1230	TU TH	Q8 AIRPORT	LINDER

AVI 170 AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS.
3 HOURS

10881	LECT-DISC	A	11-1230	TU TH	Q8 AIRPORT	APPLEGATE
10899	LECT-DISC	B	130-3	TU TH	Q8 AIRPORT	LINDER

AVI 182 BASIC ELECTRONIC THEORY.
PREREQUISITE: AVI. 181.
3 HOURS

10902	LECT-DISC		1-3	M W F	Q4 AIRPORT	KEHELY
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AVI 184 AIRCRAFT NAVIGATION AND COMMUNICATIONS SYSTEM.
 PREREQUISITE: AVI. 183 OR CONSENT OF INSTRUCTOR.
 5 HOURS
 10911 LECT-DISC ARR Q4 AIRPORT KEHELY

AVI 186 F. A. A. AND F. C. C. REGULATIONS.
 3 HOURS
 10929 LECT-DISC ARR Q4 AIRPORT

AVI 188 AIRCRAFT INSTRUMENTATION.
 PREREQUISITE: AVI. 183.
 3 HOURS
 10937 LECT-DISC ARR Q4 AIRPORT

BANDS

DEPARTMENT OFFICE

140 BAND

THE FOLLOWING COURSE IS OPEN TO STUDENTS WHO HAVE BEEN ACCEPTED BY EXAMINATION FOR MEMBERSHIP IN ONE OF THE UNIVERSITY BANDS: CONCERT BAND, FIRST REGIMENTAL BAND, SECOND REGIMENTAL BAND--SECTION A OR SECTION B. ASSIGNMENTS ARE MADE ACCORDING TO PROFICIENCY AND INSTRUMENTATION. COMPLETION OF THE COURSE INVOLVES, IN ADDITION TO THE SCHEDULE OF REHEARSALS, PARTICIPATION IN THE PUBLIC APPEARANCES OF THE BANDS.

NEW BAND STUDENTS SHOULD MAKE APPOINTMENTS FOR AUDITIONS AT THE BANDS OFFICE BEFORE OR AT THE BEGINNING OF EITHER THE ADVANCE ENROLLMENT ADVISING PERIOD OR REGISTRATION WEEK. THOSE WHO ARE ACCEPTED WILL BE GIVEN BAND REGISTRATION PERMITS, WITH INDICATION OF THE BAND TO WHICH ASSIGNED AND THE REHEARSAL DAYS AND HOURS--TWO OR THREE TIMES A WEEK.

ALL MEMBERS MUST BE REGISTERED IN BAND 101.

THIS COURSE IS CONSIDERED AS ENSEMBLE CREDIT BY THE SCHOOL OF MUSIC.

DIRECTOR HINDSLEY, ASSISTANT DIRECTOR KISINGER, ASSISTANT DIRECTOR DUKER, MR. SEXTON, MR. FAIRCHILD.

COURSES FOR UNDERGRADUATES

BANDS 101 BAND.
 1/2 HOUR
 NO MOBILITY BETWEEN SECTIONS.

10945	PRACT	A	4-530	TU TH	141	BAND
10953	PRACT	B	4-530	M W	141	BAND
10961	PRACT	C	1	M W F	141	BAND
10970	PRACT	D	2	M W F	141	BAND

BIOLOGY

DEPARTMENT OFFICE

393 MOR HALL

HONORS MAJOR IN BIOLOGY - SEE UNDERGRADUATE COURSES BULLETIN.

GENERAL MAJOR IN BIOLOGY: BIOLOGY 110, 111 AND AN ADDITIONAL TWENTY HOURS OF COURSES AT THE 200 AND 300 LEVEL OFFERED WITHIN THE SCHOOL OF LIFE SCIENCES, CHOSEN IN CONSULTATION WITH THE ADVISER, AND INCLUDING AT LEAST ONE OF THE FOLLOWING: BIOLOGY 210, MICROBIOLOGY 200 AND 201, OR PHYSIOLOGY 301 AND 303. STUDENTS ARE ALSO REQUIRED TO COMPLETE A YEAR OF PHYSICS, CHEMISTRY THROUGH ORGANIC, AND MATHEMATICS THROUGH ANALYTIC GEOMETRY. CALCULUS AND BIOCHEMISTRY ARE STRONGLY RECOMMENDED.

COURSES FOR UNDERGRADUATES

BIOL 101 BIOLOGICAL SCIENCE, II.

PREREQUISITE: BIOL. 100 OR CONSENT OF INSTRUCTOR.

4 HOURS

STUDENTS MUST REGISTER FOR ONE CONF/QUIZ COMBINATION; QUIZ ARRANGED AT STUDENT'S CONVENIENCE FOR 1 HOUR BETWEEN 8:00 A.M. AND 6:00 P.M. ON THE DAY INDICATED. INDEPENDENT STUDY IN LEARNING CENTER (AUDIO-TUTORIAL), FOR 3-4 HOURS PER WEEK TO BE SCHEDULED BY THE STUDENT IN ROOM 425 NHB.

10988	CONF	1	11	TU	228	N H B	KIEFFER
	QUIZ	1	ARR	TH			
10996	CONF	1	1	TU	228	N H B	KIEFFER
	QUIZ	2	ARR	F			
11002	CONF	3	2	TU	228	N H B	KIEFFER
	QUIZ	3	ARR	M			

BIOL 111 PRINCIPLES OF BIOLOGY, II.

PREREQUISITE: BIOL. 110.

5 HOURS

ECOLOG FIELD TRIP-OPTIONAL. APPROXIMATE EXPENSE \$3.00.

11011	LECT	1	8	M W F	228	N H B	LARSEN, SARGENT
11029	LECT	2	1	M W F	228	N H B	SWEENEY
11037	LAB	A	9-12	M	309	N H B	
	DISC	A	1	M	309	N H B	
11045	LAB	B	9-12	M	313	N H B	
	DISC	B	1	M	313	N H B	
11053	LAB	C	2-5	M	309	N H B	
	DISC	C	8	TU	309	N H B	
11061	LAB	D	2-5	M	313	N H B	
	DISC	D	8	TU	313	N H B	
11070	LAB	E	9-12	TU	309	N H B	
	DISC	E	1	TU	309	N H B	
11088	LAB	F	9-12	TU	313	N H B	
	DISC	F	1	TU	313	N H B	
11096	LAB	G	2-5	TU	309	N H B	
	DISC	G	8	W	309	N H B	
11100	LAB	H	2-5	TU	313	N H B	
	DISC	H	8	W	313	N H B	
11118	LAB	I	9-12	W	309	N H B	
	DISC	I	1	W	309	N H B	
11126	LAB	J	9-12	W	313	N H B	
	DISC	J	1	W	313	N H B	
11134	LAB	K	2-5	W	309	N H B	
	DISC	K	8	TH	309	N H B	
11142	LAB	L	2-5	W	313	N H B	
	DISC	L	8	TH	313	N H B	
11151	LAB	M	9-12	TH	309	N H B	
	DISC	M	1	TH	309	N H B	
11169	LAB	N	9-12	TH	313	N H B	
	DISC	N	1	TH	313	N H B	
11177	LAB	O	2-5	TH	309	N H B	
	DISC	O	8	F	309	N H B	
11185	LAB	P	2-5	TH	313	N H B	
	DISC	P	8	F	313	N H B	
11193	LAB	Q	9-12	F	309	N H B	
	DISC	Q	1	F	309	N H B	
11207	LAB	R	9-12	F	313	N H B	
	DISC	R	1	F	313	N H B	
11215	LAB	S	2-5	F	309	N H B	
	DISC	S	8	M	309	N H B	
11223	LAB	T	2-5	F	313	N H B	
	DISC	T	8	F	313	N H B	

BIOL 151 THE CELL.
 PREREQUISITE: CHEM. 102 OR 108; CONSENT OF INSTRUCTOR.
 5 HOURS
 ENROLLMENT LIMITED TO STUDENTS APPROVED BY BIOLOGY HONORS
 COMMITTEE.
 11231 LECT 6 11 M W F 300 N L PHILLIPS,
 LAB 6 1-5 TU 102 H H AND WHITT

BIOL 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 11240 CONF A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

BIOL 203 HONORS SEMINAR.
 PREREQUISITE: JUNIOR OR SENIOR STANDING, 4.0 CUMULATIVE AVERAGE,
 2 COURSES IN BIOLOGY OR CONSENT OF INSTRUCTOR.
 *MAY BE REPEATED ONCE FOR CREDIT.
 *1 HOUR
 11258 LECT-DISC 6A 7-9PM M 136 BUR HALL WOLFE
 11266 LECT-DISC 6B 7-9PM M 123 BUR HALL SYPERD
 11274 LECT-DISC 6C 7-9PM TU 136 BUR HALL BLACK
 11282 LECT-DISC 6D 7-9PM TU 123 BUR HALL GOVINDJEE
 11291 LECT-DISC 6E 7-9PM W 123 BUR HALL SYBESMA

BIOL 210 GENETICS.
 PREREQUISITE: BIOL. 110-111 OR EQUIVALENT, OR CONSENT OF
 INSTRUCTOR.
 4 HOURS
 11304 LECT 2 M W F 100 M M B BROWN AND
 11312 DISC 1 8 M 231 N H B PATTERSON
 11321 DISC 2 8 W 231 N H B
 11339 DISC 3 8 F 231 N H B
 11347 DISC 4 9 TU 231 N H B
 11355 DISC 5 9 TH 231 N H B
 11363 DISC 6 11 M 231 N H B
 11371 DISC 7 11 TU 231 N H B
 11380 DISC 8 11 W 231 N H B
 11398 DISC 9 11 TH 231 N H B
 11401 DISC 10 11 F 231 N H B

BIOL 211 DEVELOPMENTAL BIOLOGY.
 PREREQUISITE: BIOL. 110-111 OR EQUIVALENT; CHEM. 133 OR 234.
 4 HOURS
 11410 LECT 1 TU 140 BUR HALL DAVENPORT
 11428 DISC A 4 TH 140 BUR HALL
 11436 DISC B 4 TU 231 N H B
 11444 DISC C 4 W 231 N H B
 231 N H B F 231 N H B

BIOL 251 THE ORGANISM.
 PREREQUISITE: BID. 151.
 5 HOURS
 11452 LECT 6 11 M W F 202 H H WILLIS
 LAB 6 1-5 F 102 H H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BIOL 312 ENVIRONMENTAL BIOLOGY.
 PREREQUISITE: ONE YEAR OF BIOLOGY OR CONSENT OF INSTRUCTOR.
 5 HOURS OR 1 UNIT
 11461 LECT 3 M W F 140 BUR HALL HANEY, LELAND
 LAB ARR

BIOL 371 QUANTITATIVE BIOLOGY.
 PREREQUISITE: COLLEGE ALGEBRA AND CONSENT OF INSTRUCTOR.
 4 HOURS OR 1 UNIT
 11479 LECT 12 M W F 202 H H GHENT
 LAB 2-4 TU 202 H H

COURSES FOR GRADUATES

BIOL	405	METHODS OF TAXONOMY. PREREQUISITE: BIOL. 305 OR EQUIVALENT, AND A COURSE IN STATISTICS. 3/4 UNIT	11487	LECT	9	M W F	201	H H	SELANDER
BIOL	411	DISCUSSIONS IN GENETICS AND CYTOGENETICS. 1/4 UNIT	11495	CONF	4	W	140	BUR HALL	STAFF
BIOL	423	ELECTRON MICROSCOPY. SAME AS CHEM. 423. OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS. PREREQUISITE: A COURSE IN MODERN PHYSICS OR PHYSICAL CHEMISTRY (HAVING CALCULUS AS A PREREQUISITE) AFFORDING AN INTRODUCTION TO WAVE MECHANICS, OR CONSENT OF INSTRUCTOR. 1/4 UNIT	11509	LECT	4	TU TH	242	BEV HALL	HARMER
BIOL	429	ELECTRON MICROSCOPY WITH LABORATORY. SAME AS CHEM. 429. OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS. PREREQUISITE: GENERAL PHYSICS (2 SEMESTERS), COLLEGE MATHEMATICS (2 SEMESTERS), CHEMISTRY (3 SEMESTERS) OR CONSENT OF INSTRUCTOR. 1 UNIT	11517	LECT	4	M W	242	BEV HALL	HALL, BLACK,
		LAB-DISC		4	F	242	BEV HALL		DREYER, HARMER
		LAB		ARR		97	BEV HALL		
BIOL	430	BIOLOGICAL ULTRASTRUCTURE. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	11525	LECT	10	M W F	144	BEV HALL	HALL
BIOL	441	ADVANCED PLANT PHYSIOLOGY, II. PREREQUISITE: BIOL. 440. 1 UNIT *ONE ADDITIONAL HOUR TO BE ARRANGED.	11533	LECT	*9	M W F	136	BUR HALL	BEEVERS
BIOL	490	SPECIAL TOPICS IN BIOLOGY. 1/2 TO 2 UNITS	11541	CONF	ARR				STAFF
BIOL	493	ADVANCED ELECTRON MICROSCOPY. SAME AS CHEM. 493. OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS. PREREQUISITE: CREDIT IN BIOL./CHEM. 429 AND CONSENT OF INSTRUCTOR. 1/4 TO 1/2 UNIT	11550	LAB-DISC	ARR		97	BEV HALL	HALL, BLACK DREYER, HARMER
BIOL	499	THESIS RESEARCH. 0 TO 4 UNITS	11568	CONF	ARR				STAFF

BIOPHYSICS

DEPARTMENT OFFICE

524 BUR HALL

COURSES FOR UNDERGRADUATES

BIOPH 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

11576 CONF

ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BIOPH 312 INTRODUCTION TO RADIOBIOLOGY.

PREREQUISITE: MATH. 142 OR 143, PHYSICS 8 HOURS, AND CONSENT OF INSTRUCTOR.

2 HOURS OR 1/2 UNIT

11584 LECT

10

W F

136 BUR HALL

DUCOFF

COURSES FOR GRADUATES

BIOPH 402 ADVANCED BIOPHYSICS, II.

PREREQUISITE: ONE YEAR OF PHYSICS BEYOND INTRODUCTORY PHYSICS OR EQUIVALENT, CALCULUS, PHYSICAL CHEMISTRY.

1 UNIT

TOPIC--PHOTOBIOLOGY.

11592 LECT-DISC

11

M W F

136 BUR HALL

SYBESMA

BIOPH 410 SPECIAL TOPICS IN BIOPHYSICS.

PREREQUISITE: BIOPH. 401 OR EQUIVALENT, BIOPH. 402 AND 403.

1/2 TO 1 UNIT

11606 CONF

ARR

STAFF

BIOPH 411 SEMINAR

PREREQUISITE: ENROLLMENT IN THE BIOPHYSICS PROGRAM OR CONSENT OF INSTRUCTOR.

1/2 UNIT

TOPIC--TO BE ARRANGED.

11614 CONF

ARR

STAFF

BIOPH 463 RADIOISOTOPES IN BIOLOGICAL RESEARCH: PRINCIPLES AND PRACTICE.

SAME AS V.M.S. 463 AND AN. S. 463.

PREREQUISITE: QUANTITATIVE CHEMISTRY, ONE YEAR OF MATHEMATICS PHYSICS, BIOLOGY AND/OR CONSENT OF INSTRUCTOR.

3/4 UNIT

11622 LECT

11

M W

253 V M

TWARDOCK

11631 LAB

A

1-5

TU

232 V M

11649 LAB

B

1-5

W

232 V M

BIOPH 491 INDIVIDUAL TOPICS.

PREREQUISITE: GRADUATE STANDING; CONSENT OF INSTRUCTOR.

1/2 TO 2 UNITS

11657 CONF

ARR

STAFF

BIOPH 499 THESIS RESEARCH.

0 TO 4 UNITS

11665 CONF

ARR

STAFF

BOTANY

DEPARTMENT OFFICE

297 MOR HALL

MAJOR: TWENTY HOURS OF BOTANY EXCLUDING BOTANY 100, 101, BIOL. 110, 111, D. G. S. 131, AND 132, BIOL. 100 AND 101, BUT INCLUDING BOT. 260, 304, 330, AND 335 OR THEIR EQUIVALENT. THE BALANCE OF THE MINIMUM OF TWENTY HOURS MUST BE TAKEN IN OTHER 300 LEVEL COURSES. BIOL. 210 AND 381 ARE STRONGLY RECOMMENDED. IN ADDITION ONE SEMESTER EACH OF ORGANIC CHEMISTRY, PHYSICS AND ZOOLOGY WILL BE REQUIRED. ONE ADDITIONAL SEMESTER OF PHYSICAL SCIENCE IS ALSO REQUIRED, BUT THIS MAY BE SELECTED FROM COURSES IN PHYSICS OR GEOLOGY. CREDIT NOT TO EXCEED TWO HOURS IN BIOL. 203 MAY BE INCLUDED IN THE TWENTY HOURS OF CREDIT FOR THE MAJOR.

MINORS: TWENTY HOURS IN ONE OR TWO SUBJECTS CHOSEN IN CONSULTATION WITH THE CHAIRMAN OF THE DEPARTMENT FROM THE FOLLOWING: AGRONOMY, CHEMISTRY, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, HORTICULTURE, MATHEMATICS, MICROBIOLOGY, PHYSICS, PHYSIOLOGY, PLANT PATHOLOGY, AND ZOOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

IF HORTICULTURE IS CHOSEN AS A MINOR, NOT MORE THAN TEN HOURS MAY BE COUNTED. THE TEN HOURS MAY BE CHOSEN FROM HORT. 100, 110, 230, OR 233, 242, 262, AND 321 OR 322.

NOTE: ATTENTION IS CALLED TO ADDITIONAL COURSE OFFERINGS LISTED UNDER BIOLOGY.

COURSES FOR UNDERGRADUATES

BOT	100	GENERAL BOTANY.						
		*STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH BOT. 100 AND 101.						
		*4 HOURS						
	11673	LECT	1	8	TU TH	228	N H B	TUVESON
	11681	LECT	2	9	TU TH	228	N H B	TUVESON
	11690	LAB-DISC	M	9-12	TU	258	N H B	STAFF
	11703	LAB-DISC	R	1-4	TU	258	N H B	STAFF
	11711	LAB-DISC	B	9-12	W	258	N H B	STAFF
	11720	LAB-DISC	E	1-4	W	258	N H B	STAFF
	11738	LAB-DISC	MM	9-12	TH	258	N H B	STAFF
	11746	LAB-DISC	RR	1-4	TH	258	N H B	STAFF
	11754	LAB-DISC	BB	9-12	F	258	N H B	STAFF
	11762	LAB-DISC	EE	1-4	F	258	N H B	STAFF

BOT	101	GENERAL BOTANY FOR SELECTED STUDENTS.						
		PREREQUISITE: JAMES SCHOLAR STANDING OR CONSENT OF INSTRUCTOR.						
		*STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH BOT. 100 AND 101.						
		*5 HOURS						
	11771	LAB-DISC	EA	1-3	M W F	259	N H B	STAFF

COURSES FOR ADVANCED UNDERGRADUATES

BOT	260	INTRODUCTORY PLANT TAXONOMY.						
		PREREQUISITE: BOT. 100 OR 101, OR BIOL. 110 AND 111, OR D. G. S. 131 AND 132.						
		3 HOURS						
	11789	LECT		10	TU TH	202	H H	MILLER
	11797	LAB	C	10-12	W	304	N H B	
	11801	LAB	R	1-3	TU	304	N H B	
	11819	LAB	T	3-5	TH	304	N H B	

BOT	293	HONORS.						
		PREREQUISITE: FIFTEEN HOURS OF BOTANY, SENIOR STANDING.						
		2 HOURS						
	11827	CONF	E	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BOT	300	INDIVIDUAL TOPICS. PREREQUISITE: BOT. 100, TEN HOURS OF ADVANCED WORK IN BOTANY OR ANOTHER BIOLOGICAL SCIENCE, SENIOR STANDING. *GRADUATE STUDENTS MAY OFFER 1 UNIT TOWARD M. S. *2 TO 5 HOURS, OR 1/4 OR 1/2 UNIT	11835	CONF	ARR					STAFF
BOT	305	COMPARATIVE MORPHOLOGY-EMBRYOPHYTES. PREREQUISITE: BOT. 100 OR EQUIVALENT. ONE OR TWO FIELD TRIPS. 4 HOURS OR 1 UNIT	11843	LECT LAB	9 10-12	M W M W	306 306	N H B N H B		PHILLIPS PHILLIPS
BOT	340	HISTOLOGICAL TECHNIC. PREREQUISITE: ONE YEAR OF BOTANY OR TEN HOURS OF ZOOLOGY AND CONSENT OF INSTRUCTOR. 5 HOURS OR 1 UNIT	11851	LAB-DISC	1-4	TU TH	402	N H B		STEFFENSEN
BOT	341	FIELD ECOLOGY. PREREQUISITE: BOT. 260, 366, 381, 385, AND CONSENT OF INSTRUCTOR. FIELD TRIP DURING SPRING VACATION. *STUDENTS MAY ACCUMULATE 3 HOURS OR 3/4 UNIT. *1 HOUR OR 1/4 UNIT DEPOSIT REQUIRED BY MARCH 1.	11860	LAB	ARR					HANEY
BOT	345	PLANT ANATOMY. PREREQUISITE: ONE YEAR OF BOTANY. 4 HOURS OR 1 UNIT	11878	LECT LAB	I 2-4	M W M W	306 306	N H B N H B		CAROTHERS CAROTHERS
BOT	352	VIRUSES, II. SAME AS MCBIO. AND ZOOL. 352. PREREQUISITE: BOT./MCBIO./ZOOL. 351 OR CONSENT OF INSTRUCTOR; BIOCHEMISTRY AND CALCULUS RECOMMENDED. 3 HOURS OR 3/4 UNIT	11886	LECT	9	M W F	140	BUR HALL		BLACK AND REICHMANN
BOT	372	GENERAL MYCOLOGY. PREREQUISITE: ONE YEAR OF BOTANY, ENTOMOLOGY, MICROBIOLOGY, OR ZOOLOGY, SENIOR STANDING, OR CONSENT OF INSTRUCTOR. 4 HOURS OR 1 UNIT	11894	LAB-DISC	10-12	M W F	408	N H B		ROGERS

COURSES FOR GRADUATES

BOT	402	MOLECULAR GENETICS. SAME AS MCBIO. AND ZOOL. 402. PREREQUISITE: MCBIO. 330 OR EQUIVALENT. 3/4 UNIT	11908	LECT	10	M W F	231	N H B		HERSHBERGER
BOT	403	PHYSIOLOGY OF FUNGI. SAME AS PL. PA. 403. PREREQUISITE: PL. PA. 204 OR EQUIVALENT; ORGANIC OR BIOCHEMISTRY; MYCOLOGY; AND MICROBIOLOGY. 1 UNIT	11916	LAB LECT	8-10 8	TU TH	W121 W121	T H T H		GOTTLIEB GOTTLIEB
BOT	410	BOTANY DISCUSSIONS. *NO CREDIT GIVEN EXCEPT FOR STUDENTS PRESENTING RESULTS OF THEIR PH. D. THESIS RESEARCH. *0 OR 1/4 UNIT	11924	LECT	3-5	TU	124	BUR HALL		BLACK

BOT	413	DISCUSSIONS IN PLANT PHYSIOLOGY.						
		1/4 UNIT						
	11932	LECT-DISC	12	F	140	BUR HALL	STAFF	
BOT	418	DISCUSSIONS IN PLANT ECOLOGY AND PLANT GEOGRAPHY.						
		PREREQUISITE: GRAUATE STANDING IN BOTANY, ENTOMOLOGY, GEOGRAPHY, OR ZOOLOGY.						
		*STUDENTS MAY ACCUMULATE 1 1/2 UNITS.						
		1/4 UNIT						
	11941	DISC	4	M	308	N H B	BAZZAZ	
BOT	419	DISCUSSIONS IN PHOTOSYNTHESIS AND RELATED TOPICS.						
		PREREQUISITE: CONSENT OF INSTRUCTOR.						
		1/4 UNIT						
	11959	LECT-DISC	ARR				GOVINDJEE	
BOT	424	MINERAL NUTRITION OF PLANTS.						
		SAME AS HORT. AND AGRON. 424.						
		PREREQUISITE: BOT. 330 OR CONSENT OF INSTRUCTOR.						
		1 UNIT						
	11967	LECT-DISC A	8	TU TH S	W115	T H	HAGEMAN	
	11975	LECT-DISC B	9	TU TH S	W115	T H	HAGEMAN	
BOT	427	DISCUSSIONS IN MYCOLOGY.						
		PREREQUISITE: CONSENT OF INSTRUCTOR.						
		1/4 UNIT						
	11983	LECT-DISC	3	W	408	N H B	ROGERS AND TUVESON	
BOT	433	ADVANCED PHYSIOLOGY OF GROWTH, RESPONSES, AND REPRODUCTION.						
		PREREQUISITE: BOT. 330 OR EQUIVALENT.						
		1 UNIT						
	11991	LECT	2	M W F	136	BUR HALL	NANCE	
BOT	442	ENVIRONMENTAL PLANT PHYSIOLOGY.						
		SAME AS AGRON. 442.						
		PREREQUISITE: CHEM. 133, GENERAL PHYSICS, GENERAL OR PLANT PHYSIOLOGY AND CONSENT OF INSTRUCTOR.						
		3/4 UNIT						
	12008	LECT	1	M W F	308	N H B	BOYER	
BOT	450	PHYCOLOGY.						
		PREREQUISITE: ONE YEAR OF BOTANY OR ANOTHER BIOLOGICAL SCIENCE, OR CONSENT OF INSTRUCTOR.						
		1 UNIT						
	12016	LAB-DISC	1-4	TU TH	306	N H B	HOFFMAN	
BOT	471	ADVANCED MYCOLOGY--SPECIAL GROUPS.						
		PREREQUISITE: BOT. 372 OR CONSENT OF INSTRUCTOR.						
		1/2 UNIT						
	12024	LAB	4	M	408	N H B	ROGERS	
BOT	485	PLANT GEOGRAPHY OF NORTH AMERICA.						
		PREREQUISITE: BOT. 381 OR EQUIVALENT.						
		1 UNIT						
	12032	LECT	10-12	M W F	308	N H B	BAZZAZ, HANEY	

BOT 493 ADVANCED STUDIES IN BOTANY.

* NOT MORE THAN 1 UNIT MAY BE APPLIED TOWARD THE GRADUATE COLLEGE M.S. DEGREE REQUIREMENT OF 3 UNITS OF COURSE WORK.

*1/2 TO 2 UNITS

WORK MAY BE TAKEN IN THE FOLLOWING FIELDS:

A--ANATOMY

B--BIOCHEMICAL CYTOLOGY

C--BRYOLOGY

D--CYTOGENETICS & SPECIATION

E--ECOLOGY

F--GENETICS

G--MORPHOGENESIS

H--MORPHOLOGY

I--MYCOLOGY

J--PALEOBOTANY

K--PHOTOSYNTHESIS

L--PHYCOLOGY

M--PHYSIOLOGY

N--TAXONOMY

O--ULTRASTRUCTURE

P--VIROLOGY

CAROTHERS, PADLILLO

STEFFENSEN

JONES

DEWET

BAZZAZ, HANEY

LAUGHMAN, TUVESON, SARGENT

PADLILLO

CAROTHERS, PHILLIPS,

ROGERS, TUVESON

PHILLIPS

GOVINOJEE, SYBESMA

HOFFMAN

BOYER, GOVINOJEE, HANSON

NANCE AND SARGENT

JONES, PAYNE

CAROTHERS, HOFFMAN,

AND PADLILLO

BLACK, MACLEOD, REICHMAN

12041	LAB	A	ARR
12059	LAB	B	ARR
12067	LAB	C	ARR
12075	LAB	D	ARR
12083	LAB	E	ARR
12091	LAB	F	ARR
12105	LAB	G	ARR
12113	LAB	H	ARR
12121	LAB	I	ARR
12130	LAB	J	ARR
12148	LAB	K	ARR
12156	LAB	L	ARR
12164	LAB	M	ARR
12172	LAB	N	ARR
12181	LAB	D	ARR
12199	LAB	P	ARR

BOT 499 THESIS RESEARCH.

O TO 4 UNITS

12202 LAB ARR

STAFF

BURMESE

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

COURSES FOR ADVANCED UNDERGRADUATES

BURM 202 ELEMENTARY BURMESE, II.

PREREQUISITE: BURM. 201 OR EQUIVALENT.

5 HOURS

OPEN TO FRESHMEN.

12211 LECT-DISC ARR

LEHMAN

BUSINESS

DEPARTMENT OFFICE

350 COM W

COURSES FOR GRADUATES

BUS 499 THESIS RESEARCH

O TO 4 UNITS

12229 CONF 1-3

W

241 COM W

EVANS

BUSINESS ADMINISTRATION

DEPARTMENT OF BUSINESS ADMINISTRATION--350 COM W

COURSES FOR UNDERGRADUATES

B ADM 110 MOTIVATION AND RESPONSIBILITY IN BUSINESS.
 PREREQUISITE: FRESHMEN PARTICIPATING IN AN HONORS PROGRAM.
 3 HOURS
 12237 LECT-DISC 6A 8-10 M 160 COM W MAUTZ

COURSES FOR ADVANCED UNDERGRADUATES

HUMAN VALUES AND BUSINESS BEHAVIOR.
 PREREQUISITE: ADVANCED STANDING, JAMES SCHOLAR OR PARTICIPANT IN A
 DEPARTMENTAL HONORS PROGRAM.
 3 HOURS
 12245 LECT-DISC 6 1-3 TU 91 COM W LITHERLAND

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

B ADM 373 ELECTRONIC DATA PROCESSING FOR BUSINESS.
 PREREQUISITE: ECON. 170, ACCY. 106 OR 108.
 3 HOURS, OR 1/2 OR 1 UNIT
 *SECTION N REQUIRES SOME PRIOR KNOWLEDGE OF COMPUTER PROGRAMMING.
 12261 LECT-DISC *N 10-12 TU TH 160 COM W HINOMOTO
 12253 LECT-DISC R 1-3 TU TH 160 COM W STAFF

B ADM 374 OPERATIONS RESEARCH.
 PREREQUISITE: ECON. 173 AND I. ADM. 210, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 12270 LECT-DISC E 1 M W F 166 COM W BEEKLEY
 12288 LECT-DISC G 3 M W F 166 COM W ABRAMS

COURSES FOR GRADUATES

B ADM 500 BUSINESS ECONOMICS.
 PREREQUISITE: ENROLLMENT IN A GRADUATE PROGRAM.
 3/4 UNIT
 12296 LECT-DISC 8-10 TU TH 166 COM W HOWE

B ADM 501 MANAGERIAL ECONOMICS.
 PREREQUISITE: B. ADM. 500 OR EQUIVALENT.
 3/4 UNIT
 12300 LECT-DISC 8-10 TU TH 241 COM W OSBORNE

B ADM 510 ADMINISTRATIVE BEHAVIOR.
 PREREQUISITE: ENROLLMENT IN A GRADUATE PROGRAM.
 3/4 UNIT
 12318 LECT-DISC 8-10 M F 241 COM W DAY

B ADM 511 BUSINESS ORGANIZATION.
 PREREQUISITE: B. ADM. 510.
 3/4 UNIT
 12326 LECT-DISC A1 8-10 M W 243 COM W ROWLAND
 12334 LECT-DISC A2 8-10 M W 166 COM W ALBANESE

B ADM 513 SEMINAR IN ORGANIZATION THEORY.
 PREREQUISITE: B. ADM. 512.
 3/4 UNIT
 12342 LECT-DISC 8-10 TU TH 243 COM W THOMPSON

B ADM 520	MARKETING.								
	PREREQUISITE: ENROLLMENT IN A GRADUATE PROGRAM.								
	3/4 UNIT								
12351	LECT-DISC	1-3	M	F	241	COM W		JONES	
B ADM 522	QUANTITATIVE ANALYSIS FOR MARKETING DECISIONS.								
	PREREQUISITE: B. ADM. 520 OR EQUIVALENT.								
	3/4 UNIT								
12369	LECT-DISC	1-3	M	F	170	COM W		OSBORNE	
B ADM 531	INTRODUCTION TO PRODUCTION.								
	PREREQUISITE: FIRST SEMESTER OF THE M. B. A. PROGRAM.								
	3/4 UNIT								
12377	LECT-DISC	1-3	TU TH		226	COM W		RAGO	
B ADM 533	QUANTITATIVE TECHNIQUES IN PRODUCTION.								
	PREREQUISITE: B. ADM. 532 OR EQUIVALENT.								
	3/4 UNIT								
12385	LECT-DISC	3-5	TU TH		91	COM W		HINDMOTO	
B ADM 544	EXECUTIVE POLICIES AND PLANNING.								
	PREREQUISITE: FIRST YEAR MASTER OF BUSINESS ADMINISTRATION COURSES OR EQUIVALENT.								
	1 UNIT								
12393	LECT-DISC	3-5	M	F	241	COM W		EGLOFF	
B ADM 551	FINANCIAL ANALYSIS.								
	PREREQUISITE: COMPLETION OF FIRST SEMESTER OF M. B. A. PROGRAM.								
	3/4 UNIT								
12407	LECT-DISC	3-5	M	F	243	COM W		BEEKLEY	
B ADM 553	FINANCIAL MANAGEMENT AND CONTROL, II.								
	PREREQUISITE: B. ADM. 552.								
	3/4 UNIT								
12415	LECT-DISC	1-3	TU TH		96	COM W		HOWE	
B ADM 560	MANAGERIAL ACCOUNTING AND CONTROL.								
	PREREQUISITE: ENROLLMENT IN A GRADUATE PROGRAM.								
	3/4 UNIT								
12423	LECT-DISC	1-3	TU TH		241	COM W			
B ADM 563	CONTROLLERSHIP.								
	PREREQUISITE: B. ADM. 562 OR EQUIVALENT.								
	3/4 UNIT								
12431	LECT-DISC	10-12	TU TH		96	COM W			
B ADM 570	MATHEMATICAL ANALYSIS FOR BUSINESS DECISIONS.								
	PREREQUISITE: ENROLLMENT IN A GRADUATE PROGRAM.								
	3/4 UNIT								
12440	LECT-DISC	10-12	TU TH		241	COM W		BERHOLD	
B ADM 572	MODERN AND CLASSICAL STATISTICS FOR BUSINESS DECISIONS.								
	3/4 UNIT								
12458	LECT-DISC	10-12	M	F	241	COM W		LEVY	
B ADM 573	INTRODUCTION TO OPERATIONS RESEARCH.								
	PREREQUISITE: B. ADM. 572 AND FIRST YEAR OF M.B.A. PROGRAM.								
	3/4 UNIT								
12466	LECT-DISC	10-12	TU TH		243	COM W		EVANS	
B ADM 577	DECISION THEORY.								
	PREREQUISITE: B. ADM. 572.								
	3/4 UNIT								
12474	LECT-DISC	8-10	TU TH		236	COM W		BERHOLD	
B ADM 583	INTERNATIONAL BUSINESS OPERATIONS, II.								
	PREREQUISITE: B. ADM. 582.								
	3/4 UNIT								
12482	LECT-DISC	8-10	M	F	96	COM W		SHEEH	

B ADM 590 INDEPENDENT STUDY AND RESEARCH.
 1/2 TO 1 UNIT
 12491 CONF A 8-10 W 241 COM W
 12504 CONF B 10-12 W 241 COM W

B ADM 599 THESIS RESEARCH.
 0 TO 4 UNITS
 12512 CONF 3-5 W 241 COM W

BUSINESS LAW
 SEE INDUSTRIAL ADMINISTRATION

CATAL

DEPARTMENT OFFICE 224 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CATAL 302 STUDIES IN CATALAN LITERATURE.
 PREREQUISITE: CATAL. 301.
 2 HOURS OR 1/2 UNIT
 12521 LECT-DISC II M W 170 L H PORQUERAS

CERAMIC ENGINEERING

DEPARTMENT OFFICE 203 CER

COURSES FOR UNDERGRADUATES

CER E 102 CERAMIC MATERIALS AND PROCESSES.
 PREREQUISITE: SOPHOMORE STANDING.
 FIELD TRIP.
 3 HOURS
 12539 LECT 8 TU TH 218 CER COOK
 12547 LAB A 2-5 TU 113 CER COOK
 12555 LAB B 2-5 TH 113 CER COOK

CER E 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 12563 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

CER E 208 THERMAL PROCESSING.
 PREREQUISITE: JUNIOR STANDING IN CERAMIC ENGINEERING.
 3 HOURS
 12571 LECT B M W F 218 CER NELSON

CER E 216 RATE PROCESS IN CERAMIC ENGINEERING.
 PREREQUISITE: CHEM. 245 AND JUNIOR STANDING IN CERAMIC ENGINEERING.
 3 HOURS
 12580 LECT 9 TU TH 218 CER BROWN
 12598 LAB A 2-5 M 113 CER WILLMORE
 12601 LAB B 2-5 F 113 CER BROWN

CER E 221 PYROMETRY.
 PREREQUISITE: JUNIOR STANDING, SOPHOMORE PHYSICS.
 2 HOURS
 12610 LECT 11 TH 218 CER WILLMORE
 12628 LAB A 2-5 TU 317 CER WILLMORE
 12636 LAB B 2-5 TH 317 CER WILLMORE

CER E 222 CERAMIC COATINGS.
PREREQUISITE: JUNIOR STANDING IN ENGINEERING.
3 HOURS

12644	LECT		1	M W	218	CER	COOK
12652	LAB	A	2-5	TU	102	CER	COOK
12661	LAB	B	2-5	TH	102	CER	COOK

CER E 272 CERAMIC ENGINEERING DESIGN.
PREREQUISITE: T. A. M. 221, CER. E. 208 AND 271.
2 HOURS

12679	LECT		2	W	218	CER	NELSON
	LAB-DISC		3-6	W	103	CER	NELSON

CER E 298 SPECIAL PROBLEM.
PREREQUISITE: SENIOR STANDING.
1 TO 2 HOURS

12687	CONF		ARR				STAFF
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CER E 299 SENIOR THESIS.
PREREQUISITE: SENIOR STANDING AND A GRADE POINT AVERAGE OF 4.0 OR BETTER.
*STUDENTS MAY REGISTER MORE THAN ONCE FOR A MAXIMUM OF FIVE HOURS.
TO RECEIVE CREDIT, A THESIS MUST BE PRESENTED.
*1 TO 5 HOURS

12695	CONF		ARR				STAFF
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CER E 301 ADVANCED CHEMISTRY AND TECHNOLOGY OF GLASS.
PREREQUISITE: CER. E. 214 OR CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT

12709	LECT		1	TU TH	ARR		
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CER E 310 REFRACTORY TECHNOLOGY.
PREREQUISITE: SENIOR STANDING IN ENGINEERING.
3 HOURS, OR 3/4 OR 1 UNIT

12717	LECT		9	M W F	218	CER	ALLEN
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CER E 311 CERAMIC X-RAY ANALYSIS.
PREREQUISITE: C. S. 101 AND SENIOR STANDING IN ENGINEERING, CHEMISTRY, GEOLOGY, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

12725	LECT		1	TU TH	320	CER	
12733	LAB	A	2-5	TU	316	CER	
12741	LAB	B	2-5	W	316	CER	

CER E 331 CERAMIC MICROSCOPY.
PREREQUISITE: CER. E. 205 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

12750	LECT		2	TU	322	CER	ALLEN
	LAB		3-6	TU	322	CER	ALLEN
			10-12	TH	322	CER	ALLEN

CER E 340 ELECTRICAL CERAMICS.
PREREQUISITE: CER. E. 309 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

12768	LECT		11	M W	218	CER	WIRTZ
12776	LAB	A	9-12	TU	211	CER	WIRTZ
12784	LAB	B	2-5	TH	211	CER	WIRTZ

CER E 388 NUCLEAR CERAMICS.
PREREQUISITE: CHEM. 245, PHYS. 383, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT

12792	LECT		ARR				ALLEN
	LECT-DISC		ARR				

COURSES FOR GRADUATES

CER E 402 CERAMICS.
PREREQUISITE: COURSES IN PHYSICS AND CHEMISTRY.
1 OR 2 UNITS

12806	LECT		ARR				
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CER E 406 GLASS TECHNOLOGY.
 PREREQUISITE: CER. E. 405 OR CONSENT OF INSTRUCTOR.
 *FOR 1 UNIT ARRANGE EXTRA CONTACT HOURS WITH INSTRUCTOR.
 *3/4 TO 1 UNIT
 12814 LECT 9 TU TH 320 CER

CER E 407 PORCELAIN ENAMELS.
 PREREQUISITE: CER. E. 222 AND 320, OR THEIR EQUIVALENT.
 1 OR 1 1/2 UNITS
 12822 LECT ARR

CER E 409 WHITEWARES.
 PREREQUISITE: CER. E. 309 AND 340 OR EQUIVALENT.
 1 OR 1 1/2 UNITS
 12831 LECT ARR COOK

CER E 412 STRUCTURAL PHYSICAL CERAMICS.
 *FOR 1 UNIT ARRANGE EXTRA CONTACT HOURS WITH INSTRUCTOR.
 *3/4 TO 1 UNIT
 12849 LECT 10 M W F 320 CER BROWN

CER E 418 PHYSICS OF STRONG SOLIDS.
 PREREQUISITE: ANY ONE OF THE FOLLOWING: CER. E. 307 OR 421,
 MET. E. 384, CHEM. 342, PHYCS. 490, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 12857 LECT 10-1115 TU TH 214 CER WILLIAMS

CER E 462 MINERALOGY OF CLAYS.
 SAME AS GEOL. 462.
 PREREQUISITE: CER. E. 461.
 1 UNIT
 12865 LECT 10 M W 109 N H B

CER E 495 MATERIALS AND SPECIAL PROBLEMS.
 PREREQUISITE: GRADUATE STANDING IN CERAMIC ENGINEERING.
 0 TO 2 UNITS
 12873 CONF ARR STAFF
 INSTRUCTORS-ALLEN, BERGERON, BROWN, COOK, FRIEDBERG, NELSON,
 TOOLEY, WILLMORE, WILLIAMS, WIRTZ

CER E 498 SEMINAR IN CERAMICS.
 REGISTRATION REQUIRED OF ALL GRADUATE STUDENTS IN CERAMIC
 ENGINEERING.
 PREREQUISITE: GRADUATE STANDING IN CERAMIC ENGINEERING.
 0 CREDIT
 12881 CONF 1 TH 218 CER STAFF

CER E 499 THESIS RESEARCH.
 PREREQUISITE: CER. E. 311, GRADUATE STANDING IN CERAMIC
 ENGINEERING.
 0 TO 4 UNITS
 12890 CONF ARR STAFF
 INSTRUCTORS-ALLEN, BERGERON, BROWN, COOK, FRIEDBERG, NELSON,
 TOOLEY, WILLMORE, WILLIAMS, WIRTZ.

CHEMISTRY AND CHEMICAL ENGINEERING

DEPARTMENT OFFICE

106 N L

CHEMISTRY CURRICULUM: SEE UNDERGRADUATE STUDY CATALOG.

CHEMISTRY MAJORS IN THE SCIENCES AND LETTERS CURRICULUM: SEE UNDERGRADUATE COURSES CATALOG.

CHEMISTRY

NOTE: THE GENERAL CHEMISTRY PROGRAM HAS BEEN OVERHAULED. THE NORMAL FIRST YEAR SEQUENCE FOR NON-MAJORS IS NOW CHEM. 101 THE FIRST SEMESTER AND CHEM. 102 THE SECOND SEMESTER. STUDENTS WHO HAD CHEM. 102 BEFORE THE FALL OF 1967 HAD A FIRST SEMESTER COURSE AND SHOULD NOT INFER THAT THEY HAVE HAD CHEM. 102 AS NOW GIVEN. WE SHALL DESIGNATE CHEM. 102 (FORMER) AND CHEM. 102 (NEW) TO DISTINGUISH THE TWO AMONG PREREQUISITES.

COURSES FOR UNDERGRADUATES

CHEM 100 INTRODUCTORY CHEMISTRY.

NO PREVIOUS CREDIT IN HIGH SCHOOL CHEMISTRY IS PRESUMED. PREREQUISITE: TWO AND ONE-HALF UNITS IN HIGH SCHOOL MATHEMATICS, OR CREDIT OR CONCURRENT REGISTRATION IN MATH. 111 OR 112. 2 HOURS

ATTENDANCE AT LECTURE, AT ASSIGNED QUIZ AND FOR 2-3 HOURS (UNSCHEDULED) IN AUDIO-TUTORIAL FACILITY (308 N. L.) IS REQUIRED WEEKLY.

12903	LECT		11	M W	112	C A
12911	QUIZ	A	8		111	N L
12920	QUIZ	B	9	F	161	N L
12938	QUIZ	C	11	F	111	N L
12946	QUIZ	D	10	F	199	E C

CHEM 101 GENERAL CHEMISTRY.

FOR STUDENTS WHO HAVE SOME PRIOR KNOWLEDGE OF CHEMISTRY. PREREQUISITE: CREDIT FOR OR EXEMPTION FROM MATH. 111 OR 112. 4 HOURS

NOTE: CHEMISTRY 101 WILL REPLACE PREVIOUS COURSES LABELED CHEMISTRY 101 AND 102.

STUDENTS MUST REGISTER IN ONE QUIZ-LAB-LECTURE COMBINATION.

12954	QUIZ	2A	10	TU TH	101	E C
	LAB	2A	1-4	W	1	C A
	LECT	A	2	TU TH	100	G H
12962	QUIZ	3A	9	TU TH	161	N L
	LAB	3A	1-4	W	1	C A
	LECT	A	2	TU TH	100	G H
12971	QUIZ	4A	11	TU TH	161	N L
	LAB	4A	1-4	W	1	C A
	LECT	A	2	TU TH	100	G H
12989	QUIZ	5A	1	TU TH	199	E C
	LAB	5A	8-11	W	1	C A
	LECT	A	2	TU TH	100	G H
12997	QUIZ	6A	1	TU TH	195	N L
	LAB	6A	8-11	W	1	C A
	LECT	A	2	TU TH	100	G H
13003	QUIZ	7A	1	TU TH	164	N L
	LAB	7A	8-11	W	1	C A
	LECT	A	2	TU TH	100	G H
13011	QUIZ	8A	8	M W	199	E C
	LAB	8A	8-11	F	1	C A
	LECT	A	2	TU TH	100	G H
13020	QUIZ	9B	9	M W	195	N L
	LAB	9B	8-11	F	1	C A
	LECT	B	2	TU TH	103	M H
13038	QUIZ	10B	10	M W	103	N L
	LAB	10B	8-11	F	1	C A
	LECT	B	2	TU TH	103	M H
13046	QUIZ	11B	8	M W	195	N L
	LAB	11B	8-11	F	1	C A
	LECT	B	2	TU TH	103	M H
13054	QUIZ	12B	1	M W	195	N L
	LAB	12B	1-4	F	1	C A
	LECT	B	2	TU TH	103	M H

CHEM	101	CONTINUED							
	13062	QUIZ	138	2	M W	115	E C		
		LAB	138	1-4	F	1	C A		
		LECT	8	2	TU TH	103	M H		
	13071	QUIZ	148	3	M W	111	N L		
		LAB	148	1-4	F	1	C A		
		LECT	8	2	TU TH	103	M H		
	13089	QUIZ	158	3	M W	164	N L		
		LAB	158	8-11	TH	1	C A		
		LECT	8	2	TU TH	103	M H		
	13097	QUIZ	16C	9	W F	164	N L		
		LAB	16C	8-11	TU	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13101	QUIZ	17C	10	W F	193	E C		
		LAB	17C	8-11	TU	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13119	QUIZ	18C	11	W F	193	E C		
		LAB	18C	8-11	TU	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13127	QUIZ	19C	2	W F	195	N L		
		LAB	19C	8-11	TH	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13135	QUIZ	20C	3	W F	195	N L		
		LAB	20C	8-11	TH	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13143	QUIZ	21C	10	TU TH	300	N L		
		LAB	21C	1-4	W	1	C A		
		LECT	C	2	TU TH	66	LIB		
	13151	QUIZ	22C	2	W F	300	N L		
		LAB	22C	1-4	M	1	C A		
		LECT	C	2	TU TH	66	LIB		

CHEM 102 GENERAL CHEMISTRY.
 PREREQUISITE: CHEM. 101, OR FORMER 102, OR 107, OR 111, OR ADVANCED
 PLACEMENT CREDIT FOR ONE SEMESTER OF COLLEGE LEVEL CHEMISTRY.
 4 HOURS

NOTE: CHEMISTRY 102 WILL REPLACE PREVIOUS COURSES LABELED
 CHEMISTRY 104, 105 AND 109.

STUDENTS MUST REGISTER IN ONE QUIZ-LAB-LECTURE COMBINATION.

LECTURES E, F, G, AND H ARE TV LECTURES.

13160	QUIZ	24G	3	TU TH	210	C A		
	LAB	24G	9-12	W	101	C A		
	LECT	G	11	TU TH	103	M H		
13178	QUIZ	25H	1	W F	421	E H		
	LAB	25H	9-12	W	101	C A		
	LECT	H	9	TU TH	66	LIB		
13186	QUIZ	26C	9	W F	300	N L		
	LAB	26C	9-12	M	101	C A		
	LECT	C	2	M W	100	N L		
13194	QUIZ	27F	10	W F	164	N L		
	LAB	27F	9-12	M	101	C A		
	LECT	F	9	TU TH	103	M H		
13208	QUIZ	28C	11	TU TH	195	N L		
	LAB	28C	9-12	M	101	C A		
	LECT	C	2	M W	100	N L		
13216	QUIZ	30B	2	TU TH	162	N L		
	LAB	30B	8-11	M	1	C A		
	LECT	B	1	M W	100	N L		
13224	QUIZ	31F	8	W F	193	E C		
	LAB	31F	8-11	M	1	C A		
	LECT	F	9	TU TH	103	M H		
13232	QUIZ	32E	9	W F	162	N L		
	LAB	32E	8-11	M	1	C A		
	LECT	E	11	TU TH	100	G H		
13241	QUIZ	33B	2	TU TH	195	N L		
	LAB	33B	8-11	M	1	C A		
	LECT	B	1	M W	100	N L		
13259	QUIZ	34E	2	W F	162	N L		
	LAB	34E	2-5	M	101	C A		
	LECT	E	11	TU TH	100	G H		
13267	QUIZ	35E	3	W F	161	N L		
	LAB	35E	2-5	M	101	C A		
	LECT	E	11	TU TH	100	G H		
13275	QUIZ	36E	4	W F	162	N L		
	LAB	36E	2-5	M	101	C A		
	LECT	E	11	TU TH	100	G H		
13283	QUIZ	37F	2	W F	116	E C		
	LAB	37F	2-5	M	101	C A		
	LECT	F	9	TU TH	103	M H		
13291	QUIZ	38F	1	W F	111	N L		
	LAB	38F	1-4	M	1	C A		
	LECT	F	9	TU TH	103	M H		

CHEM	102	CONTINUED						
	13577	QUIZ	668	8	M W	111	N L	
		LAB	668	8-11	TU	101	C A	
		LECT	8	1	M W	100	N L	
	13585	QUIZ	67C	11	M W	111	N L	
		LAB	67C	8-11	TH	101	C A	
		LECT	C	2	M W	100	N L	
	13593	QUIZ	68C	1	M W	201	N L	
		LAB	68C	8-11	TH	201	C A	
		LECT	C	2	M W	100	N L	
	13607	QUIZ	698	3	TU TH	195	N L	
		LAB	698	8-11	TH	201	C A	
		LECT	8	1	M W	100	N L	
	13615	QUIZ	708	2	TU TH	111	N L	
		LAB	708	9-12	TH	201	C A	
		LECT	8	1	M W	100	N L	
	13623	QUIZ	710	3	TU TH	111	N L	
		LAB	710	9-12	TH	201	C A	
		LECT	0	11	M W	100	N L	
	13631	QUIZ	720	2	M W	217	N L	
		LAB	720	9-12	TH	101	C A	
		LECT	0	11	M W	100	N L	
	13640	QUIZ	73C	3	M W	115	E C	
		LAB	73C	9-12	TH	101	C A	
		LECT	C	2	M W	100	N L	
	13658	QUIZ	74G	1	W F	115	E C	
		LAB	74G	1-4	TH	101	C A	
		LECT	G	11	TU TH	103	M H	
	13666	QUIZ	75C	9	TU TH	195	N L	
		LAB	75C	1-4	TH	101	C A	
		LECT	C	2	M W	100	N L	
	13674	QUIZ	76H	3	W F	101	E C	
		LAB	76H	1-4	TH	101	C A	
		LECT	H	9	TU TH	66	L18	
	13682	QUIZ	770	10	TU TH	217	N L	
		LAB	770	1-4	TH	101	C A	
		LECT	0	11	M W	100	N L	
	13691	QUIZ	788	11	TU TH	300	N L	
		LAB	788	2-5	TH	201	C A	
		LECT	8	1	M W	100	N L	
	13704	QUIZ	79C	1	TU TH	101	E C	
		LAB	79C	2-5	TH	201	C A	
		LECT	C	2	M W	100	N L	
	13712	QUIZ	80G	1	W F	101	E C	
		LAB	80G	2-5	TH	201	C A	
		LECT	G	11	TU TH	103	M H	
	13721	QUIZ	818	9	TU TH	199	E C	
		LAB	818	2-5	TH	201	C A	
		LECT	B	1	M W	100	N L	
	13739	QUIZ	82C	9	M W	161	N L	
		LAB	82C	9-12	F	101	C A	
		LECT	C	2	M W	100	N L	
	13747	QUIZ	83H	10	M W	162	N L	
		LAB	83H	9-12	F	101	C A	
		LECT	H	9	TU TH	66	L18	
	13755	QUIZ	84G	11	M W	164	N L	
		LAB	84G	9-12	F	101	C A	
		LECT	G	11	TU TH	103	M H	
	13763	QUIZ	85D	9	M W	199	E C	
		LAB	85D	9-12	F	101	C A	
		LECT	0	11	M W	100	N L	
	13771	QUIZ	86H	8	M W	300	N L	
		LAB	86H	9-12	F	201	C A	
		LECT	H	9	TU TH	66	L18	
	13780	QUIZ	88C	10	M W	300	N L	
		LAB	88C	9-12	F	201	C A	
		LECT	C	2	M W	100	N L	
	13798	QUIZ	89C	11	TU TH	116	E C	
		LAB	89C	9-12	F	201	C A	
		LECT	C	2	M W	100	N L	
	13801	QUIZ	94C	3	M W	199	E C	
		LAB	94C	2-5	F	201	C A	
		LECT	C	2	M W	100	N L	
	13810	QUIZ	978	11	TU TH	164	N L	
		LAB	978	2-5	F	201	C A	
		LECT	B	1	M W	100	N L	
	13828	QUIZ	988	11	TU TH	136	8UR HALL	
		LAB	988	1-4	TU	1	C A	
		LECT	B	1	M W	100	N L	
	13836	QUIZ	99C	1	M W	442	M H	
		LAB	99C	1-4	TU	1	C A	
		LECT	C	2	M W	100	N L	

CHEM 108 GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS.

PREREQUISITE: CHEM. 107.

*STUDENTS WITH PROFICIENCY CREDIT IN CHEM. 108 MAY WITH THE CONSENT OF THE DEPARTMENT, TAKE THE LABORATORY PART OF THIS COURSE FOR 2 HOURS CREDIT, BUT MAY NOT RECEIVE MORE THAN 5 HOURS TOTAL CREDIT FOR CHEM. 108.

*5 HOURS

SECTIONS 618 AND 619 ARE RESTRICTED TO DESIGNATED HONOR STUDENTS.

13844	LECT		9	M W	100	N L
13968	QUIZ	618	11	M W F	195	N L
	LAB	618	1-5	M	310	C A
13976	QUIZ	619	1	M W F	199	E C
	LAB	619	8-12	TU	310	C A
13852	QUIZ	121	8	M W F	115	E C
	LAB	121	1-5	TH	310	C A
13861	QUIZ	122	8	M W F	164	N L
	LAB	122	1-5	W	310	C A
13879	QUIZ	123	10	M W F	115	E C
	LAB	123	1-5	F	310	C A
13887	QUIZ	124	10	M W F	111	N L
	LAB	124	1-5	TU	310	C A
13895	QUIZ	125	10	M W F	217	N L
	LAB	125	1-5	TU	310	C A
13909	QUIZ	126	1	M W F	116	E C
	LAB	126	8-12	TU	310	C A
13917	QUIZ	128	11	M W F	103	N L
	LAB	128	1-5	M	310	C A
13925	QUIZ	129	2	M W F	101	E C
	LAB	129	8-12	TH	310	C A
13933	QUIZ	131	1	M W F	300	N L
	LAB	131	8-12	F	310	C A
13941	QUIZ	133	8	M W F	103	N L
	LAB	133	1-5	W	310	C A
13950	QUIZ	134	11	M W F	162	N L
	LAB	134	1-5	TH	310	C A

CHEM 122 ELEMENTARY QUANTITATIVE ANALYSIS.

FOR ALL STUDENTS IN HOME ECONOMICS AND PREMEDICAL COURSES AND ALL OTHERS WHO HAVE NOT FOLLOWED THE SEQUENCE CHEM. 101 OR 102, 107 AND 108.

PREREQUISITE: NEW CHEM. 102 OR FORMER CHEM. 104, 105, OR 109.

5 HOURS

STUDENTS ARE REQUIRED TO TAKE THE QUIZ AND LABORATORY IN SOME ONE SECTION.

13984	LECT		11	M W	116	E C
13992	QUIZ	A1	11	F	116	E C
	LAB	A1	1-530	M W	301	C A
14009	QUIZ	A2	11	F	201	N L
	LAB	A2	1-530	M W	301	C A
14017	QUIZ	A3	11	F	161	N L
	LAB	A3	1-530	M W	301	C A
14025	QUIZ	81	11	F	115	E C
	LAB	81	1-530	TU TH	301	C A
14033	QUIZ	82	11	F	210	C A
	LAB	82	1-530	TU TH	301	C A

HARTLEY

CHEM 133 ELEMENTARY ORGANIC CHEMISTRY.

FOR STUDENTS IN AGRICULTURAL SCIENCE, DAIRY TECHNOLOGY, FOOD TECHNOLOGY, NUTRITION, DIETETICS, PREMEDICAL, PREDENTAL AND PREVETERINARY COURSES.

PREREQUISITE: NEW CHEM. 102, OR 108, OR FORMER CHEM. 104, 105, OR 109.

*NO CREDIT WILL BE GIVEN IN CHEM. 133 TO THOSE STUDENT WITH CREDIT IN CHEM. 234.

*5 HOURS

STUDENTS ARE REQUIRED TO TAKE THE LECTURE AND ONE LABORATORY SECTION AND ONE QUIZ SECTION.

14041	LECT		8	M W F	100	N L
14050	QUIZ	A1	9	M	217	N L
14068	QUIZ	81	3	M	217	N L
14076	QUIZ	C1	9	TU	217	N L
14084	LAB	A	1-5	TU	467	N L
14092	LAB	B	1-5	W	467	N L
14106	LAB	C	1-5	F	467	N L
14114	LAB	D	8-12	TU	467	N L
14122	LAB	E	8-12	TH	467	N L

SMITH AND
GALLAGHER

CHEM 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 14131 CONF ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES

CHEM 234 ORGANIC CHEMISTRY.
 FOR STUDENTS WHOSE MAJOR IS CHEMISTRY OR FOR THOSE REGISTERING
 IN THE CURRICULUM IN CHEMISTRY OR CHEMICAL ENGINEERING.
 TO BE TAKEN CONCURRENTLY WITH CHEM. 281.
 PREREQUISITE: CHEM. 108 OR 122 AND MATH. 132 OR 133.
 *NO CREDIT WILL BE GIVEN IN CHEM. 234 TO THOSE STUDENTS WITH CREDIT
 IN CHEM. 133.
 *3 HOURS
 14149 LECT 9 M W F 112 C A

APPLEQUIST

CHEM 281 STRUCTURE AND SYNTHESIS.
 TO BE TAKEN CONCURRENTLY WITH CHEMISTRY 234.
 PREREQUISITE: CHEM. 108 OR 122 AND MATH. 132 OR 133.
 2 HOURS

14157	QUIZ	A1	2	TU	217	N L
14165	QUIZ	B1	9	TH	217	N L
14173	LAB	A	1-5	M	250	N L
14181	LAB	B	8-12	TU	250	N L
14190	LAB	C	1-5	TU	250	N L
14203	LAB	D	1-5	TH	250	N L

BEAK

CHEM 290 THESIS.
 *A MAXIMUM OF TEN HOURS MAY BE COUNTED TOWARDS GRADUATION AND A
 THESIS MUST BE PRESENTED FOR CREDIT TO BE RECEIVED.
 *2 TO 6 HOURS
 14211 CONF ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CHEM 315 INORGANIC CHEMISTRY.
 PREREQUISITE: CREDIT OR REGISTRATION IN PHYSICAL CHEMISTRY.
 3 HOURS OR 3/4 UNIT
 14220 LECT 11 M W F 31 PSYCH BLDG

BEATTIE

CHEM 316 INORGANIC CHEMISTRY LABORATORY.
 PREREQUISITE: CREDIT IN CHEM. 383, OR CREDIT OR REGISTRATION IN
 CHEM. 315, OR EQUIVALENT.
 3 HOURS OR 3/4 UNIT
 *ADDITIONAL HOURS TO BE ARRANGED.

14238	DISC		1	TH	103	N L
14246	LAB	A	*2-5	W	212	C A
14254	LAB	B	*2-5	TH	212	C A

STUCKY

CHEM 321 INSTRUMENTAL ANALYSIS.
 PREREQUISITE: CHEM. 340 OR 342, AND 383.
 3 HOURS OR 3/4 UNIT

14262	LECT-DISC		9	M W	193	E C
14271	LAB	A	1-5	M	176	E C
14289	LAB	B	1-5	TU	176	E C

JUVET

CHEM 323 APPLIED ELECTRONICS FOR SCIENTISTS.
 PREREQUISITE: SENIOR OR GRADUATE STANDING IN ANY OF THE PHYSICAL
 SCIENCES OR ENGINEERING OR CONSENT OF INSTRUCTOR.
 4 HOURS OR 1 UNIT

14297	LECT		9	TU TH	115	E C
14301	LAB	A	1-530	W	75	E C
14319	LAB	B	1-530	TH	75	E C

MAHMSTADT

CHEM 336 ORGANIC CHEMISTRY.
 PREREQUISITE: CHEM. 133 WITH A GRADE OF "A" OR "B" OR CHEM. 234
 AND 281.
 3 HOURS OR 3/4 UNIT
 *LECTURE A FOR STUDENTS WITH A STRONG INTEREST IN THE BIOLOGICAL
 SCIENCES.

14335	LECT	*A	9	M W F	100	M M B
14327	LECT	B	9	M W F	116	E C

LEONARD
 CURTIN

CHEM 337	ORGANIC CHEMISTRY. PREREQUISITE: CREDIT OR REGISTRATION IN CHEM. 336. 2 HOURS OR 1/2 UNIT										KATZENELNBOGEN
14343	DISC		1	TU		161	N L				
14351	LAB	A	2-4	TU		218	N L				
		A	1-4		TH	218	N L				
14360	LAB	8	10-12	TU		218	N L				
		8	9-12		TH	218	N L				
CHEM 338	SEPARATION, PURIFICATION AND IDENTIFICATION OF ORGANIC COMPOUNDS. PREREQUISITE: CHEM. 336 AND 337. 4 HOURS OR 1 UNIT										MARTIN
14378	DISC		1	M W		164	N L				
	LAB		2-5	M W		218	N L				
CHEM 339	THEORETICAL ORGANIC CHEMISTRY. PREREQUISITE: CHEM. 338 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT										PIRKLE
14386	LECT		11	M W F		199	E C				
CHEM 342	PHYSICAL CHEMISTRY. TO BE TAKE CONCURRENTLY WITH CHEM. 383. PREREQUISITE: CHEM. 108, 122, 123, OR EQUIVALENT, PHYS. 106, 107, AND 108, OR TWO SEMESTERS OF GENERAL PHYSICS WITH CONCURRENT REGISTRATION IN THE THIRD SEMESTER, CREDIT OR REGISTRATION IN MATH 142 OR EQUIVALENT. STUDENTS SHOULD NOT REGISTER IN 342 WHO DO NOT INTEND TO ENROLL IN 344. 3 HOURS OR 3/4 UNIT										LOMBARDI
14394	LECT		10	M W F		161	N L				
CHEM 344	PHYSICAL CHEMISTRY. TO BE TAKEN CONCURRENTLY WITH CHEM. 385. PREREQUISITE: CHEM. 342. 3 HOURS OR 3/4 UNIT										WOODY
14408	LECT		10	M W F		112	C A				
CHEM 346	PHYSICAL CHEMISTRY OF MACROMOLECULES. PREREQUISITE: CHEM. 344 OR 340 WITH CONSENT OF INSTRUCTOR. *LABORATORY REQUIRED FOR 4 HOURS OR 1 UNIT. *3 OR 4 HOURS, OR 3/4 OR 1 UNIT										WETMUR
14416	LECT		8	M W F		162	N L				
CHEM 348	ADVANCED PHYSICAL CHEMISTRY. PREREQUISITE: CHEM. 344 OR EQUIVALENT. 4 HOURS OR 1 UNIT										BELFORD
14424	LECT		10	M W F		152	C A				
CHEM 349	ADVANCED PHYSICAL CHEMISTRY. PREREQUISITE: CHEM. 348. 4 HOURS OR 1 UNIT										FLYGARE
14432	LECT		8	M W F		112	C A				
CHEM 383	DYNAMICS, STRUCTURE AND PHYSICAL METHODS. TO BE TAKEN CONCURRENTLY WITH CHEM. 342. PREREQUISITE: CHEM. 234 AND 281, CREDIT OR REGISTRATION IN PHYS. 108 AND MATH. 142. 2 HOURS OR 1/2 UNIT *QUIZ A STUDENTS SHOULD REGISTER FOR LAB 81. QUIZ B STUDENTS SHOULD REGISTER FOR LAB 81 OR C1.										
14441	QUIZ	*A	10		TH	162	N L				
14467	QUIZ	*B	10	TU		162	N L				
14459	LAB	*A1	8-12	TU		176	E C				
14475	LAB	*B1	8-12		TH	176	E C				
14483	LAB	*C1	1-5		F	176	E C				

CHEM 385 CHEMICAL FUNDAMENTALS.
TO BE TAKEN CONCURRENTLY WITH CHEM. 344.
PREREQUISITE: CHEM. 342 AND 383.
4 HOURS OR 1 UNIT
STUDENTS MUST REGISTER IN ONE QUIZ-LAB COMBINATION.

14491	QUIZ	A	2	F	161	N L	YARDLEY
	LAB	A	1-5	M W	124	N L	
14505	QUIZ	B	2	M	195	N L	
	LAB	B	1-5	TU TH	124	N L	
14513	QUIZ	C	2	TH	161	N L	
	LAB	C	8-12	TU TH	124	N L	

CHEM 395 HISTORY OF SCIENCE WITH PARTICULAR REFERENCE TO CHEMISTRY.
PREREQUISITE: TWENTY HOURS OF LABORATORY SCIENCE.
2 HOURS OR 1/2 UNIT

14521	LECT	11	TU TH	101	E C	CAMERON
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CHEM 397 RADIOCHEMISTRY.
SAME AS NUC. E. 397.
PREREQUISITE: ONE SEMESTER OF PHYSICAL CHEMISTRY, OR ONE SEMESTER OF ATOMIC PHYSICS, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

14530	LECT	10	TU TH S	111	N L	HUMMEL
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COURSES FOR GRADUATES

CHEM 404 ADVANCED INORGANIC CHEMISTRY LABORATORY.
PREREQUISITE: CREDIT OR REGISTRATION IN A 400 LEVEL LECTURE COURSE IN INORGANIC CHEMISTRY.
1/4 OR 3/4 UNIT
*ADDITIONAL HOURS TO BE ARRANGED.

14548	LAB	A	*2-5	W	212	C A	STUCKY
14556	LAB	B	*2-5	TH	212	C A	

CHEM 405 INORGANIC CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS MAJORING IN INORGANIC CHEMISTRY.
1/4 UNIT

14564	LECT-DISC	4	TU	112	C A	
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CHEM 407 SPECIAL TOPICS IN INORGANIC CHEMISTRY.
PREREQUISITE: CHEM. 406 OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY REPEAT THIS COURSE FOR CREDIT.
*1/2 TO 1 UNIT

14572	LECT-DISC	1	M W F	193	E C	
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CHEM 422 ELECTRICAL METHODS OF CHEMICAL ANALYSIS.
PREREQUISITE: CHEM. 344 OR EQUIVALENT.
1 UNIT

14581	LECT	11	TU TH S	199	E C	LAITINEN
	LAB	ARR				

CHEM 423 ELECTRON MICROSCOPY.
SAME AS BIOL. 423.
OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS.
PREREQUISITE: A COURSE IN MODERN PHYSICS OR PHYSICAL CHEMISTRY (HAVING CALCULUS AS A PREREQUISITE) AFFORDING AN INTRODUCTION TO WAVE MECHANICS, OR CONSENT OF INSTRUCTOR.
1/2 UNIT

14599	LECT	4	TU TH	242	BEV HALL	HARMER
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CHEM 425 ANALYTICAL CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS ANALYTICAL CHEMISTRY.
1/4 UNIT

14602	LECT-DISC	3	F	171	E C	LAITINEN
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CHEM	429	ELECTRON MICROSCOPY WITH LABORATORY. SAME AS BIOL. 429. OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS. PREREQUISITE: GENERAL PHYSICS (2 SEMESTERS), COLLEGE MATHEMATICS (2 SEMESTERS), CHEMISTRY (3 SEMESTERS) OR CONSENT OF INSTRUCTOR. 1 UNIT						
	14611	LECT	4	M	W	242	BEV HALL	HALL, BLACK,
		LAB	ARR			97	BEV HALL	DREYER, HARMER
		LAB-DISC	4		F	242	BEV HALL	
CHEM	432	ORGANIC CHEMISTRY. PREREQUISITE: CHEM. 431 OR 336. 1 UNIT						
	14629	LECT	11	M	W	F	217 N L	COATES
CHEM	434	ADVANCED ORGANIC SYNTHESIS. 1/4 TO 1 UNIT						
	14637	LAB	ARR			218	N L	KATZENELNBOGEN
CHEM	435	ORGANIC CHEMISTRY SEMINAR. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/2 UNIT						
	14645	LECT-DISC	4	M	TH	116	E C	FORD
CHEM	436	EXPERIMENTAL ORGANIC CHEMISTRY. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/4 UNIT						
	14653	LECT	11		S	116	E C	FORD
CHEM	442	STATISTICAL THERMODYNAMICS. PREREQUISITE: CHEM. 441 AND 446 OR CONSENT OF INSTRUCTOR. 1 UNIT						
	14661	LECT	10	M	W	F	101 E C	KAWASAKI
CHEM	443	QUANTUM DYNAMICS. PREREQUISITE: REGISTRATION IN CHEM. 349 OR CONSENT OF INSTRUCTOR. 1 UNIT						
	14670	LECT	9	M	W	F	101 E C	SECREST
CHEM	445	PHYSICAL CHEMISTRY SEMINAR. REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS PHYSICAL CHEMISTRY. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/4 OR 1/2 UNIT						
	14688	LECT-DISC	330-5		W	193	E C	PAUL
CHEM	448	CHEMICAL KINETICS. PREREQUISITE: CHEM. 441 OR CONSENT OF INSTRUCTOR. 3/4 UNIT						
	14696	LECT	9	M	W	F	111 N L	MARCUS
CHEM	490	SPECIAL TOPICS IN CHEMISTRY. PREREQUISITE: CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. 1/4 TO 4 UNITS						
	14700	CONF	ARR					STAFF
CHEM	493	ADVANCED ELECTRON MICROSCOPY. SAME AS BIOL. 493. OPEN TO QUALIFIED GRADUATE STUDENTS IN ALL DEPARTMENTS. PREREQUISITE: CREDIT IN BIOL./CHEM. 429 AND CONSENT OF INSTRUCTOR. 1/4 TO 1/2 UNIT						
	14718	LAB-DISC	ARR			97	BEV HALL	HALL, BLACK, DREYER, HARMER

CHEM 496 THE USE OF CARBON-14 IN LABELING TECHNIQUES.
 SAME AS AN. S. 496.
 PREREQUISITE: CHEM. 336, 337 AND 338 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
 3/4 OR 1 UNIT

14726	LECT		11	TU TH	217	N L	
14734	LAB	A	1-5	TU	163	O H	NYSTROM
14742	LAB	C	1-5	W	163	O H	
14751	LAB	O	1-5	TH	163	O H	
14769	LAB	E	1-5	F	163	O H	

CHEM 499 THESIS RESEARCH.
 0 TO 4 UNITS
 14777 CONF ARR STAFF

BIOCHEMISTRY

COURSES FOR UNDERGRADUATES

BIOCH 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 14785 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

BIOCH 290 THESIS.
 *IN ORDER TO RECEIVE CREDIT A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN BIOCH. 290.
 *2 TO 6 HOURS
 14793 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BIOCH 350 GENERAL BIOCHEMISTRY.
 PREREQUISITE: QUANTITATIVE ANALYTICAL CHEMISTRY AND CHEM. 133 OR 234, OR EQUIVALENTS.
 3 HOURS OR 3/4 UNIT
 14807 LECT 9 TU TH S 116 E C MCCLURE

BIOCH 355 BIOCHEMISTRY LABORATORY.
 PREREQUISITE: QUANTITATIVE ANALYTICAL CHEMISTRY AND CHEM. 133 OR 234, OR EQUIVALENT; REGISTRATION IN BIOCH. 350.
 4 HOURS OR 1 UNIT

14815	QUIZ	A	8	S	217	N L	
	LAB-DISC	A	1	M W F	217	N L	
	LAB	A	2-4	M W	219	N L	
		A	2	F	219	N L	
14823	QUIZ	B	8	S	217	N L	
	LAB-DISC	B	1	TU TH	217	N L	
		B	10	S	217	N L	
	LAB	B	2-4	TU TH	219	N L	
		B	11	S	219	N L	

COURSES FOR GRADUATES

BIOCH 450 CHEMISTRY OF BIOLOGICAL PROCESSES.
 PREREQUISITE: BIOCH. 350 AND 355.
 1 UNIT
 14831 LECT 10 TU TH S 116 E C CONRAD

BIOCH 452 EXPERIMENTAL TECHNIQUES IN BIOCHEMISTRY.
 PREREQUISITE: BIOCH. 350 AND 355.
 3/4 OR 1 UNIT

14840	DISC		1	TU	115	E C	
	LAB		2-5	TU	314	E C	DOUS, CRAIG
			1-5	TH	314	E C	

BIOCH 455 BIOCHEMISTRY SEMINAR.
 REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS BIOCHEMISTRY.
 PREREQUISITE: BIOCH. 350 AND 355, OR EQUIVALENT.
 1/2 UNIT
 14858 LECT-DISC A 2 F 115 E C STAFF

BIOCH 499 THESIS RESEARCH.
 0 TO 4 UNITS
 14866 CONF ARR STAFF

CHEMICAL ENGINEERING

CH E 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 14874 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

CH E 261 STOICHIOMETRY.
 PREREQUISITE: CREDIT OR REGISTRATION IN CHEM. 234 OR CHEM. 342.
 3 HOURS
 14882 LECT-DISC 11 M W F 101 E C HUDSON

CH E 290 THESIS.
 LIMITED IN GENERAL TO SENIORS IN THE CHEMICAL ENGINEERING CURRICULUM. ANY OTHERS MUST HAVE THE CONSENT OF THE HEAD OF THE DEPARTMENT.
 *EACH STUDENT MUST REGISTER IN A MINIMUM OF FIVE HOURS EITHER IN ONE SEMESTER OR DIVIDED OVER TWO SEMESTERS. A MAXIMUM REGISTRATION OF TEN HOURS IN TWO SEMESTERS IS PERMITTED. HOWEVER, CH. E. 379 TWO HOURS, MAY BE SUBSTITUTED FOR TWO OF THE FIVE HOURS REQUIRED IN CH. E. 290. IN ORDER TO RECEIVE CREDIT, A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN CH. E. 290.
 *2 TO 6 HOURS
 14891 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CH E 371 PRINCIPLES OF CHEMICAL ENGINEERING.
 PREREQUISITE: CH. E. 370 OR CONSENT OF INSTRUCTOR.
 4 HOURS OR 1 UNIT
 14904 LECT-DISC 11 MTUWTH 115 E C ALKIRE

CH E 374 UNIT OPERATIONS LABORATORY.
 PREREQUISITE: CREDIT OR REGISTRATION IN CH. E. 373.
 3 HOURS OR 1/2 UNIT
 ONE HOUR TO BE ARRANGED.
 14912 DISC ARR QUINN
 LA8 1-6 TH 8 E C

CH E 379 CHEMICAL ENGINEERING PROJECTS.
 PREREQUISITE: SENIOR STANDING IN CHEMISTRY OR CHEMICAL ENGINEERING.
 2 HOURS OR 1/2 UNIT
 14921 LAB A 1-6 M 294 E C WESTWATER
 14939 LAB B 1-6 TU 294 E C

CH E 381 CHEMICAL REACTOR DESIGN.
 PREREQUISITE: CH. E. 373.
 3 HOURS OR 3/4 UNIT
 14947 LECT 8 TU TH 101 E C SCHMITZ
 DISC 8 S 101 E C

CH E 382 THE PREDICTION OF PHYSICAL PROPERTIES.
 PREREQUISITE: ONE YEAR OF PHYSICAL CHEMISTRY
 2 HOURS OR 1/2 UNIT
 14955 LECT 10 M W 199 E C DRICKAMER

COURSES FOR GRADUATES

CH E 465 CHEMICAL ENGINEERING SEMINAR.
 REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS CHEMICAL
 ENGINEERING.
 PREREQUISITE: CH. E. 373.
 1/4 UNIT
 14963 LECT-DISC 4 TU 116 E C QUINN

CH E 468 PROPERTIES OF FLUIDS
 PREREQUISITE: BACKGROUND IN MODERN PHYSICAL CHEMISTRY AND PHYSICS,
 AND CONSENT OF INSTRUCTOR.
 3/4 OR 1 UNIT
 14971 LECT 10 TU TH 199 E C ECKERT

CH E 487 FLUID DYNAMICS.
 PREREQUISITE: CH. E. 464.
 1 UNIT
 14980 LECT 9 M W F 115 E C SANI

CH E 488 ADVANCED TOPICS IN HEAT AND MASS TRANSFER.
 PREREQUISITE: CH. E. 464 OR CONSENT OF INSTRUCTOR.
 3/4 OR 1 UNIT
 14998 LECT 9 TU TH 101 E C HANRATTY

CH E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 INSTRUCTORS: ALKIRE, DRICKAMER, ECKERT, HANRATTY,
 HUDSON, QUINN, SANI, SCHMITZ, WESTWATER.
 15004 CONF ARR STAFF

CHINESE

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

COURSES FOR ADVANCED UNDERGRADUATES

CHIN 202 ELEMENTARY CHINESE, II.
 ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK
 WEEKLY IN THE LANGUAGE LABORATORY.
 PREREQUISITE: CHIN. 201.
 5 HOURS
 OPEN TO FRESHMEN.
 15012 LECT-DISC C 2 MTU THF 313 G H CHANG

CHIN 206 MODERN CHINESE LITERATURE IN TRANSLATION.
 NO KNOWLEDGE OF CHINESE REQUIRED.
 3 HOURS
 OPEN TO FRESHMEN.
 15021 LECT-DISC 10 M W F 4 G H MACDONALD

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CHIN 304 INTERMEDIATE CHINESE, II.
 ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK
 IN THE LANGUAGE LABORATORY.
 PREREQUISITE: CHIN. 303 OR EQUIVALENT.
 5 HOURS OR 1 UNIT
 15039 LECT-DISC 4 MTU THF 4 G H CHANG

CHIN 306 ADVANCED CHINESE, II.
PREREQUISITE: CHIN. 305 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
15047 LECT-DISC 9 M W F I G H CHANG

CHIN 308 READINGS IN LITERARY CHINESE.
3 HOURS, OR 1/2 OR 1 UNIT
15055 LECT-DISC I-230 TU TH 311 O H WOLFF

CHIN 310 MODERN CHINESE LITERATURE.
PREREQUISITE: CHIN. 306.
3 HOURS OR 1 UNIT
15063 LECT-DISC 130-3 M W I G H MACDONALD

CIVIL ENGINEERING

DEPARTMENT OFFICE

203 E H

COURSES FOR UNDERGRADUATES

C E 195 INTRODUCTION TO CIVIL ENGINEERING.
PREREQUISITE: SOPHOMORE STANDING IN CIVIL ENGINEERING.
1 HOUR
15071 CONF H1 4 M 421 E H
15080 CONF H2 4 M 324 E H
15098 CONF H3 4 W 421 E H
15101 CONF H4 4 W 324 E H
15110 CONF P1 11 TU 421 E H
15128 CONF P2 11 TH 421 E H

COURSES FOR ADVANCED UNDERGRADUATES

C E 200 GENERAL SURVEYING.
FOR STUDENTS IN OTHER DEPARTMENTS.
PREREQUISITE: G. E. 101, MATH. 114 OR EQUIVALENT.
*NO CREDIT FOR CIVIL ENGINEERING STUDENTS.
*3 HOURS
15136 LAB-DISC R 1-4 TU TH 102 WOODSHOP

C E 201 ENGINEERING SURVEYING.
PREREQUISITE: CREDIT OR REGISTRATION IN BOTH C. S. 101 AND
MATH. 263.
4 HOURS
STUDENTS SHOULD REGISTER FOR THE LECTURE PLUS ONE LAB-DISC PERIOD.
15144 LECT 3 M W F 119 M M B
15152 LAB-DISC L1 8-11 TU 104 WOODSHOP
15161 LAB-DISC L2 8-11 TH 104 WOODSHOP
15179 LAB-DISC S1 2-5 TU 104 WOODSHOP
15187 LECT S2 2-5 TH 104 WOODSHOP

C E 202 THEORY OF MEASUREMENT.
PREREQUISITE: C. E. 201 OR CONSENT OF INSTRUCTOR.
3 HOURS
15195 LECT 8 TU TH 212 WOODSHOP
LAB-DISC 9-12 TH 212 WOODSHOP

C E 203 FUNDAMENTALS OF METRICAL PHOTOGRAPHY.
PREREQUISITE: C. E. 201 OR CONSENT OF INSTRUCTOR.
3 HOURS
15209 LECT 2 M W 101 WOODSHOP
LAB-DISC 2-5 F 101 WOODSHOP

C E	210	PROPERTIES OF SOILS. PREREQUISITE: T. A. M. 221, CREDIT OR REGISTRATION IN GEOL. 150, AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE. 3 HOURS									
	15217	LECT-DISC	A	B	M	W	F	B222	C	E	B
		LAB	A	1-3			TU	B222	C	E	B
	15225	LECT-DISC	B	9	M	W	F	B222	C	E	B
		LAB	B	8-10			TU	B222	C	E	B
	15233	LECT-DISC	C	10	M	W	F	B222	C	E	B
		LAB	C	3-5			TU	B222	C	E	B
	15241	LECT-DISC	6D	11	M	W	F	B222	C	E	B
		LAB	6D	1-3			TH	B222	C	E	B
C E	214	PROPERTIES AND BEHAVIOR OF CONCRETE. PREREQUISITE: T. A. M. 223 OR 224 AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE. 2 HOURS									
	15250	LECT-DISC	L	B			TU	1215	C	E	B
		LAB	L	8-10			TH	1215	C	E	B
	15284	LECT-DISC	6N	11			TH	1215	C	E	B
		LAB	6N	10-12			TU	1215	C	E	B
	15268	LECT-DISC	R	1			TU	1215	C	E	B
		LAB	R	1-3			TH	1215	C	E	B
	15276	LECT-DISC	T	3			TH	1215	C	E	B
		LAB	T	3-5			TU	1215	C	E	B
C E	215	ENGINEERING AND CONSTRUCTION ECONOMY. PREREQUISITE: REGISTRATION OR CREDIT IN C. S. 101, JUNIOR STANDING OR CONSENT OF INSTRUCTOR. 3 HOURS									
	15292	LECT-DISC	A	B	M	W	F	423	E	H	
	15306	LECT-DISC	C	10	M	W	F	320	E	H	
	15314	LECT-DISC	E	1	M	W	F	423	E	H	
C E	220	PAVEMENT ANALYSIS AND DESIGN. PREREQUISITE: C. E. 210 AND CREDIT OR REGISTRATION IN C. E. 214. 3 HOURS									
	15322	LECT-DISC	C	10	M	W	F	200	T	L	
	15331	LECT-DISC	D	11	M	W	F	200	T	L	
C E	230	INTRODUCTION TO TRANSPORTATION ENGINEERING. PREREQUISITE: JUNIOR STANDING IN ENGINEERING, ARCHITECTURE OR CITY PLANNING, OR CONSENT OF INSTRUCTOR. 3 HOURS									
	15349	LECT-DISC	B	9	M	W	F	320	E	H	
	15357	LECT-DISC	F	2	M	W	F	305	E	H	
C E	241	WATER QUALITY AND WATER POLLUTION. PREREQUISITE: T. A. M. 235. 3 HOURS									
	15365	LECT-DISC	C	10	M	W	F	420	E	H	
	15373	LECT-DISC	E	1	M	W	F	101	WOODSHOP		
C E	242	SANITARY ENGINEERING PROCESSES. PREREQUISITE: T. A. M. 235 AND CREDIT OR REGISTRATION IN C. E. 241. 3 HOURS									
	15381	LECT-DISC	F	2	M	W	F	423	E	H	
C E	250	HYDROLOGY. PREREQUISITE: T. A. M. 235, MATH. 263. 3 HOURS									
	15390	LECT-DISC	B	9	M	W	F	423	E	H	
	15403	LECT-DISC	C	10	M	W	F	423	E	H	
C E	251	ENGINEERING HYDRAULICS. PREREQUISITE: T. A. M. 235. 3 HOURS									
	15411	LECT-DISC	A	B	M	W	F	421	E	H	
C E	261	STRUCTURAL THEORY, I. PREREQUISITE: T. A. M. 152 AND 221. 3 HOURS									
	15420	LECT-DISC	B	9	M	W	F	324	E	H	
	15438	LECT-DISC	E	1	M	W	F	305	E	H	
	15454	LECT-DISC	6F	2	M	W	F	200	T	L	
	15446	LECT-DISC	LM	8-920			TU TH	421	E	H	

C E	262	STRUCTURAL THEORY, II. PREREQUISITE: C. E. 261. 3 HOURS							
	15462	LECT-DISC D	11	M W F	419	E H			
	15471	LECT-DISC RS	1-220	TU TH	320	E H			
C E	263	BEHAVIOR AND DESIGN OF METAL STRUCTURES, I. PREREQUISITE: T. A. M. 224 AND C. E. 261, OR CONSENT OF INSTRUCTOR. 3 HOURS							
	15489	LECT-DISC B	9	M W F	421	E H			
	15497	LECT-DISC D	11	M W F	320	E H			
	15501	LECT-DISC G	3	M W F	421	E H			
C E	264	REINFORCED CONCRETE DESIGN, I. PREREQUISITE: C. E. 214, C. E. 261, T. A. M. 224. 3 HOURS NOTE: THREE-TWO HOUR DEMONSTRATION LABORATORIES TO BE ARRANGED.							
	15519	LECT-DISC A	8	M W F	419	E H			
	15527	LECT-DISC E	1	M W F	324	E H			
	15535	LECT-DISC F	2	M W F	420	E H			
C E	284	FOUNDATION ENGINEERING. PREREQUISITE: C. E. 210. 3 HOURS							
	15543	LECT-DISC B	9	M W F	305	E H			
	15551	LECT-DISC F	2	M W F	419	E H			
	15560	LECT-DISC MN	930-11	TU TH	419	E H			
C E	290	CONTRACTS AND SPECIFICATIONS. SAME AS G. E. 290. PREREQUISITE: SENIOR STANDING IN ENGINEERING OR ARCHITECTURE. *CREDIT IS NOT GIVEN FOR C. E. 290 IN ADDITION TO G. E. 292 *2 HOURS							
	15578	LECT-DISC P	11	TU TH	305	E H			
	15586	LECT-DISC T	3	TU TH	305	E H			
C E	295	PROFESSIONAL PRACTICE. PREREQUISITE: JUNIOR STANDING. NO CREDIT							
	15594	CONF	4	W	151	E E B			
C E	297	SPECIAL PROBLEMS. PREREQUISITE: SENIOR STANDING. 1 TO 4 HOURS *SECTION C--CONSTRUCTION ENGINEERING. *SECTION D--DESIGN OF STRUCTURAL SYSTEMS. *SECTION E--MANS CONTROL OF THE URBAN ENVIRONMENT. *SECTION O--OTHERS. SECTION P--STOCHASTIC PROBLEMS. SECTION SM--STRUCTURAL MODELS. SECTION TA--TRAFFIC ANALYSIS.							
	15632	CONF	*D1	ARR				STAFF	
	15641	CONF	*D2	ARR				STAFF	
	15608	CONF	*C	8	M W F	322	E H		
	15616	CONF	*D	1	M W F	212	WOODSHOP	WRIGHT-BOYER	
	15624	CONF	*E	1-220	TU TH	420	E H	PFEFFER	
	15659	CONF	P	930-11	TU TH	322	E H	ANG	
	15667	CONF	SM	3-5	TU TH	B234	C E B	PAUL	
	15675	CONF	TA	ARR				BULLEN	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

C E	305	OBSERVATIONAL ASTRONOMY. SAME AS ASTR. 314. PREREQUISITE: MATH. 142 OR 143; ASTR. 102 OR 210 OR C. E. 201. 4 HOURS OR 1 UNIT *THREE HOURS OBSERVATIONAL WORK TO BE ARRANGED.							
	15683	LECT	E	*2	M W F	124	OBSERV	SWENSON	
C E	309	GEODETIC ENGINEERING. PREREQUISITE: C. E. 201 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 TO 1 UNIT							
	15691	LECT-DISC A	8	M W F	212	WOODSHOP		WONG	

C E 314 FUNDAMENTALS OF SYSTEMS APPROACH.
PREREQUISITE: C. E. 215, MATH. 263, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15705 LECT-DISC G 3 M W F 324 E H

C E 315 CONSTRUCTION PRODUCTIVITY.
PREREQUISITE: C. E. 215, CREDIT OR REGISTRATION IN MATH. 263, OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15713 LECT-DISC C 10 M W F 419 E H

C E 316 CONSTRUCTION PLANNING.
PREREQUISITE: C. E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15721 LECT-DISC ST 230-4 TU TH 420 E H

C E 318 CONSTRUCTION COST ANALYSES AND ESTIMATES.
PREREQUISITE: C. E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15730 LECT-DISC RS 1-220 TU TH 324 E H

C E 325 HIGHWAY TRAFFIC CHARACTERISTICS.
PREREQUISITE: C. E. 220 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT
15748 LECT-DISC D 11 M W F 324 E H

C E 334 AIRPORT DESIGN.
PREREQUISITE: C. E. 220 AND SENIOR STANDING IN CIVIL ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15756 LECT-DISC ST 230-4 TU TH 200 T L

C E 336 RAILWAY LOCATION AND OPERATION.
PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR. FOR THOSE TAKING A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING, CREDIT OR REGISTRATION IN C. E. 230.
3 HOURS, OR 1/2 OR 1 UNIT
15764 LECT-DISC E 1 M W F 322 E H

C E 338 TERMINALS.
PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR. FOR THOSE TAKING A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING, CREDIT OR REGISTRATION IN C. E. 230.
3 HOURS, OR 1/2 OR 1 UNIT
15772 LECT-DISC P 11 TU TH 322 E H

C E 353 HYDRAULIC STRUCTURES.
PREREQUISITE: C. E. 250 AND 251.
3 HOURS OR 3/4 UNIT
15781 LECT-DISC C 10 M W F 322 E H

C E 356 HYDRAULICS OF SURFACE DRAINAGE.
PREREQUISITE: T. A. M. 235; C. E. 250; OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15799 LECT-DISC MN 930-11 TU TH 324 E H

C E 361 ADVANCED STRUCTURAL ANALYSIS.
PREREQUISITE: C. E. 262 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT
15802 LECT-DISC MN 930-11 TU TH 320 E H

C E 363 BEHAVIOR AND DESIGN OF METAL STRUCTURES, II.
PREREQUISITE: C. E. 263 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15811 LECT-DISC LM 8-920 TU TH 320 E H

C E 364 REINFORCED CONCRETE DESIGN, II.
PREREQUISITE: C. E. 264, CREDIT OR REGISTRATION IN C. E. 262.
3 HOURS, OR 3/4 OR 1 UNIT
15829 LECT-DISC A 8 M W F 305 E H

- C E 366 BEHAVIOR OF REINFORCED CONCRETE MEMBERS.
PREREQUISITE: FOR UNDERGRADUATES, SENIOR STANDING AND C. E. 264;
FOR GRADUATES, B. S. DEGREE IN CIVIL ENGINEERING OR ARCHITECTURE
WITH COURSES IN STRUCTURES AND REINFORCED CONCRETE DESIGN.
4 HOURS OR 1 UNIT
15837 LECT-DISC D 11 M W F 322 E H
- C E 368 PRESTRESSED CONCRETE.
PREREQUISITE: C. E. 262, 264.
3 HOURS, OR 3/4 OR 1 UNIT
15845 LECT-DISC G 3 M W F 320 E H
- C E 369 BEHAVIOR AND DESIGN OF WOOD STRUCTURES.
PREREQUISITE: C. E. 261 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15853 LECT-DISC B 9 M W F 322 E H
- C E 374 INTRODUCTION TO STRUCTURAL DYNAMICS.
PREREQUISITE: T. A. M. 212; MATH. 345; C. E. 261; OR EQUIVALENT.
*CREDIT IS NOT GIVEN FOR BOTH C. E. 374 AND T. A. M. 311.
*3 HOURS, OR 3/4 OR 1 UNIT
15861 LECT-DISC F 2 M W F 421 E H
- C E 379 APPLIED STRUCTURAL MECHANICS.
PREREQUISITE: MATH. 345 AND ONE UNDERGRADUATE COURSE IN
STATICALLY INDETERMINATE STRUCTURES; OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15870 LECT-DISC D 11 M W F 305 E H
- C E 383 SOIL MECHANICS.
PREREQUISITE: FOR UNDERGRADUATES: C. E. 210, SENIOR STANDING AND
CONSENT OF INSTRUCTOR. GRADUATE PREREQUISITE: CONSENT OF
INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15888 LECT-DISC E 1 M W F 419 E H
15896 LECT-DISC RS 1-220 TU TH 423 E H
- C E 384 APPLIED SOIL MECHANICS.
PREREQUISITE: C. E. 383, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
15900 LECT-DISC E 1 M W F 320 E H
15918 LECT-DISC ST 230-4 TU TH 320 E H
- C E 391 COMPUTER METHODS IN CIVIL ENGINEERING.
PREREQUISITE: C. S. 101 OR EQUIVALENT; SENIOR OR GRADUATE STANDING
IN CIVIL ENGINEERING; OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
15926 LECT-DISC B 9 M W F 419 E H

COURSES FOR GRADUATES

- C E 404 ANALOGUE PHOTOGRAMMETRY, II.
PREREQUISITE: C. E. 403 OR CONSENT OF INSTRUCTOR.
1 UNIT
15934 LECT-DISC B 9 M W F 212 WOODSHOP KARARA
- C E 405 ANALYTICAL AEROTRIANGULATION.
PREREQUISITE: C. E. 304 OR CONSENT OF INSTRUCTOR.
1 UNIT
15942 LECT-DISC D 11 M W F 212 WOODSHOP WONG
- C E 417 DESIGN OF CONSTRUCTION AND INDUSTRIAL OPERATIONS, II.
SAME AS I. E. 417.
PREREQUISITE: C. E. OR I. E. 416, CREDIT OR REGISTRATION IN
MATH. 315, OR CONSENT OF INSTRUCTOR.
1 UNIT
15951 LECT-DISC LM 8-920 TU TH 322 E H DESOUKY
- C E 421 PAVEMENT DESIGN, II.
PREREQUISITE: C. E. 220, OR EQUIVALENT.
1 UNIT
15969 LECT-DISC C 10 M W F 324 E H BARENBERG

C E	423	HIGHWAY MATERIALS STABILIZATION. PREREQUISITE: C. E. 220 OR CONSENT OF INSTRUCTOR. 1 UNIT	15977	LECT-DISC	B	9	M W F	200	T L	THOMPSON
C E	427	GEOMETRIC HIGHWAY DESIGN. PREREQUISITE: C. E. 325 AND 426 OR CONSENT OF INSTRUCTOR. 1 UNIT	15985	LECT-DISC LAB	EG EG	1 1-4	TU W	421 309	E H E H	BAERWALD BAERWALD
C E	428	TRAFFIC ENGINEERING OPERATIONS. PREREQUISITE: C. E. 325 AND 426 OR EQUIVALENT. 1 UNIT	15993	LECT-DISC LAB	RT RT	2 1-4	TU TH	421 421	E H E H	BAERWALD BAERWALD
C E	436	RAILROAD LOCATION AND OPERATION. PREREQUISITE: C. E. 336 OR CONSENT OF INSTRUCTOR. 1 UNIT	16000	LECT-DISC	G	3	TU TH	322	E H	HAY
C E	442	THEORY OF WASTE-WATER TREATMENT. PREREQUISITE: CHEM. 122, MCBIO. 101, C. E. 346. 1 UNIT	16018	LECT-DISC	NP	10-12	TU TH	420	E H	
C E	443	ADVANCED SANITARY ENGINEERING LABORATORY. PREREQUISITE: C. E. 441, AND CREDIT OR REGISTRATION IN C. E. 442. 1 UNIT	16026	LECT-DISC	RW	1-5	TU TH	4206	C E B	OCONNOR
C E	444	INDUSTRIAL WATER AND WASTES TREATMENT. PREREQUISITE: CREDIT OR REGISTRATION IN C. E. 440 AND 442, OR CONSENT OF INSTRUCTOR. 1 UNIT	16034	LECT-DISC	LM	8-10	TU TH	420	E H	ENGELBRECHT OCONNOR
C E	446	DESIGN OF WATER AND WASTE TREATMENT PLANTS. PREREQUISITE: C. E. 440, CREDIT OR REGISTRATION IN C. E. 442, OR CONSENT OF INSTRUCTOR. 1 UNIT *TWO ADDITIONAL HOURS TO BE ARRANGED.	16042	LECT-DISC LAB	EH EH	1-3 *1-5	M F	309 309	E H E H	DICK DICK
C E	447	RADIOACTIVE WASTE DISPOSAL. SAME AS NUC. E. 447. PREREQUISITE: PHYCS. 282 OR CHEM. 398 OR NUC. E. 398 OR CONSENT OF INSTRUCTOR. 1/2 OR 1 UNIT	16051	LECT-DISC	D	11	M W F	420	E H	EWING
C E	448	CONTROL OF AIR POLLUTION. PREREQUISITE: G. E. 360. 1 UNIT	16069	LECT-DISC LAB	A A	8 8-10	M W	F 420	E H E H	PEARSON-STUKEL PEARSON-STUKEL
C E	449	ANALYSIS OF AIR POLLUTANTS. PREREQUISITE: CREDIT OR REGISTRATION IN C. E. 448. 1/2 OR 1 UNIT	16077	LECT-DISC	BD	9-12	M F	4206	C E B	STUKEL
C E	452	WATER RESOURCES. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	16085	LECT-DISC	F	2	M W F	322	E H	CHOW

C E	458	OPEN CHANNEL HYDRAULICS. PREREQUISITE: B. S. DEGREE IN C. E. OR CONSENT OF INSTRUCTOR. 1 UNIT	16093	LECT-DISC G	3	M W F	423	E H	WENZEL
C E	461	MATRIX FORMULATION OF STRUCTURAL ANALYSIS. PREREQUISITE: C.E. 361 OR EQUIVALENT. 1 UNIT	16107	LECT-DISC A	8	M W F	320	E H	WRIGHT
C E	465	STRUCTURAL DESIGN IN METALS. PREREQUISITE: B. S. IN ENGINEERING WITH COURSES IN STRUCTURES. 1 UNIT	16115	LECT-DISC E	1	M W F	420	E H	GAYLORD
C E	467	BEHAVIOR OF REINFORCED CONCRETE STRUCTURES. PREREQUISITE: C. E. 366. 1 UNIT	16123	LECT-DISC C	10	M W F	305	E H	SIESS
C E	469	THIN SHELL STRUCTURES. PREREQUISITE: C. E. 473 OR CONSENT OF INSTRUCTOR. 1 UNIT	16131	LECT-DISC D	11	M W F	423	E H	SCHNOBRICH
C E	471	NUMERICAL AND APPROXIMATE METHODS OF STRUCTURAL ANALYSIS. 1 TO 2 UNITS	16140	LECT-DISC F	2	M W F	324	E H	EUBANKS
C E	476	PLASTIC ANALYSIS AND DESIGN. PREREQUISITE: C. E. 465 OR CONSENT OF INSTRUCTOR. 1 UNIT	16158	LECT-DISC MN	930-11	TU TH	305	E H	GAYLORD
C E	478	DISCRETE METHODS OF SOLID AND STRUCTURAL MECHANICS. PREREQUISITE: C. E. 379, A. A. E. 326 OR T. A. M. 351 OR EQUIVALENT, AND REGISTRATION IN C. S. 400 OR EQUIVALENT; OR CONSENT OF INSTRUCTOR. 1 UNIT	16166	LECT-DISC RS	1-220	TU TH	305	E H	SCHNOBRICH
C E	480	EARTH PRESSURES AND RETAINING STRUCTURES. PREREQUISITE: CREDIT OR REGISTRATION IN C. E. 384. 1 UNIT	16174	LECT-DISC F	2	M W F	320	E H	IRELAND
C E	484	FOUNDATION ENGINEERING. PREREQUISITE: C. E. 384. 1 UNIT	16182	LECT-DISC ST	230-4	TU TH	419	E H	PECK
C E	485	SOIL ENGINEERING FOR TRANSPORTATION FACILITIES. PREREQUISITE: C. E. 383 OR EQUIVALENT. 1 UNIT	16191	LECT-DISC D	11	M W F	421	E H	THORNBURN
C E	494	MUNICIPAL ADMINISTRATION AND ENGINEERING. PREREQUISITE: B. S. IN CIVIL ENGINEERING, OR CONSENT OF INSTRUCTOR. 1 UNIT	16204	LECT-DISC A	8	M W F	324	E H	DANNER

C E 495 CIVIL AND SANITARY ENGINEERING SEMINAR.
 *COURSE MAY BE REPEATED FOR CREDIT.
 *0 OR 1/4 UNIT
 SECTION AG--ADVANCED SANITARY ENGINEERING.
 SECTION G--SANITARY, SECTION H--HIGHWAY AND TRAFFIC,
 SECTION H--HIGHWAYS AND TRAFFIC.
 SECTION P--PHOTOGRAMMETRY AND GEODESY.
 SECTION S--STRUCTURES, SECTION W--HYDRAULICS AND WATER RESOURCES.
 SECTION W--HYDRAULICS AND WATER RESOURCES.

16212	CONF	AG	ARR						DICK
16221	CONF	G	3-5	M		419	E H		LELAND
16239	CONF	H	4	M		322	E H		DANNER
16247	CONF	P	10-12	TU		212	WOODSHOP		KARARA
16255	CONF	S	4		TH	305	E H		MUNSE
16263	CONF	W	10-12	TU		423	E H		WEGGEL

C E 497 SPECIAL PROBLEMS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 TO 4 UNITS
 *SECTION B--BUILDING SYSTEMS.
 *SECTION D--FLUID DIFFUSION AND DISPERSION.
 *SECTION F--SOURCES AND CHARACTERISTICS OF SOLID WASTES.
 *SECTION O--OTHERS.
 *SECTION P--AIR POLLUTION.
 SECTION R2--ROCK MECHANICS.
 SECTION S--PHYSICO-CHEMICAL PROPERTIES OF SOIL.
 SECTION T--REMOTE SENSING OF ENVIRONMENT.
 SECTION TA--TRAFFIC ANALYSIS.
 THOSE SECTIONS TO BE ARRANGED WILL CONSIST OF TWO HOURS OF LECTURE
 AND SIX HOURS OF LAB PER WEEK.

16280	CONF	*O1	ARR						STAFF
16298	CONF	*O2	ARR						STAFF
16301	CONF	*O3	ARR						STAFF
16336	CONF	*B	ARR						BOYER
16310	CONF	*D	ARR						HOLLEY
16328	CONF	*F	ARR						ENGELBRECHT
16344	CONF	*P	3-5		W	110	M E B		PEARSON
16352	CONF	R2	1-220	TU TH		322	E H		DEERE
16361	CONF	S	10	M W F		B218	C E B		OLSON
16379	CONF	T	3-5		W	B215	C E B		THORNBURN
16271	CONF	TA	ARR						BULLEN

C E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 *SECTION M IS FOR MASTERS DEGREE, *SECTION O IS FOR PH.D. DEGREE.

16387	CONF	*M	ARR						STAFF
16395	CONF	*D	ARR						STAFF

CLASSICS

DEPARTMENT OFFICE 361 L H

SEE ALSO GREEK AND LATIN

CLASSICAL CIVILIZATION

NOTE: THE FOLLOWING COURSES PRESUPPOSE NO KNOWLEDGE OF THE GREEK OR
 LATIN LANGUAGE AND ARE OPEN TO ALL STUDENTS. FOR OTHER COURSES
 IN THE AREA OF CLASSICAL CIVILIZATION SEE ARCH. 113, ART 311,
 HIST. 181, 182, 381, 382, 383, AND 384, AND PHIL. 303, 309 AND 310.

COURSES FOR UNDERGRADUATES

CLCIV 110 INTRODUCTION TO GREEK CULTURE.
 2 HOURS

16409	LECT-DISC	A	11	TU TH		370	L H		ALLEN
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CLCIV 111 MYTHOLOGY OF GREECE AND ROME.

2 HOURS

*DISCUSSION 60 IS RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

16417	LECT	1	11	TU	223	G H	MARBLESTONE
16425	LECT	2	3	TU	223	G H	MARBLESTONE
16433	DISC	A	11	TH	240	L H	
16441	DISC	B	10	TH	304	L H	
16450	DISC	C	11	TH	3	G H	
16506	DISC	*ED	11	TH	362	ARMORY	MARBLESTONE
16468	DISC	E	1	TH	370	L H	
16476	DISC	F	3	TH	116	L H	
16484	DISC	G	9	F	388	L H	
16492	DISC	H	10	F	396	L H	

CLCIV 112 GREEK DRAMA IN ENGLISH TRANSLATION.

2 HOURS

16514	LECT-DISC	A	9	TU TH	209	D K H	JACOBSON
16522	LECT-DISC	B	3	TU TH	209	D K H	GENDLER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CLCIV 302 LATIN LITERATURE IN TRANSLATION.

PREREQUISITE: CONSENT OF INSTRUCTOR.

3 HOURS OR 1/2 UNIT

16531	LECT-DISC	A	9	M W F	209	D K H	ABBOT
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CLCIV 362 THE ARCHAEOLOGY OF ITALY.

PREREQUISITE: A COURSE IN ANCIENT HISTORY, ART, OR LANGUAGE, OR CONSENT OF THE INSTRUCTOR.

3 HOURS OR 1/2 UNIT

16549	LECT-DISC	A	3	M W F	362	L H	ALLEN
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COMMUNICATIONS

DEPARTMENT OFFICE

1207 W OREGON

THE GRADUATE PROGRAM LEADING TO THE DEGREE OF DOCTOR OF PHILOSOPHY IN COMMUNICATIONS IS ADMINISTERED BY AN INTERDISCIPLINARY COMMITTEE APPOINTED BY THE DEAN OF THE COLLEGE OF COMMUNICATIONS. STUDENTS SEEKING ADMISSION TO THIS PROGRAM SHOULD CONSULT JAMES W. CAREY, CHAIRMAN OF THE COMMITTEE.

OF THE COURSES OFFERED THIS SEMESTER, COMM. 490 AND 499 ARE IN THE GENERAL CATEGORY, COMM. 308, 414, 444, 470, 474 AND 481, ARE IN GROUP A, AND COMM. 325, 351, 370, 420, 424, 426, 432 AND 456 ARE IN GROUP B.

COURSES FOR ADVANCED UNDERGRADUATES

COMM 217 HISTORY OF COMMUNICATIONS.

SAME AS JOURN. 217.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR CONSENT OF THE COLLEGE.

3 HOURS

16557	LECT-DISC	E	1	M W F	215	G H	ERICKSON
16565	LECT-DISC	R	3	TU	215	G H	KNIGHTS
		R	3-5	TH	215	G H	

COMM 220 PROCESSES AND SYSTEMS OF COMMUNICATIONS.

SAME AS JOURN. 220.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR CONSENT OF THE COLLEGE.

3 HOURS

16573	LECT-DISC	C	10	M W F	215	G H	KREILING
16581	LECT-DISC	F	2	M W F	113	G H	CAREY

COMM 231 MASS COMMUNICATIONS IN A DEMOCRATIC SOCIETY.
 SAME AS JOURN. 231.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR
 CONSENT OF THE COLLEGE.
 3 HOURS
 16590 LECT-DISC D 11 M W F 123 G H PETERSON
 16603 LECT-DISC E 1 M W F 123 G H GUBACK

COMM 241 LAW AND COMMUNICATIONS.
 SAME AS JOURN. 241.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR
 CONSENT OF THE COLLEGE.
 3 HOURS
 16611 LECT-DISC F 2 N W F 331 G H ALFELD

COMM 251 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
 SAME AS JOURN. AND SOC. 251.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR
 CONSENT OF THE COLLEGE.
 3 HOURS
 16620 LECT-DISC F 2 M W F 215 G H KREILING
 16638 LECT-DISC H 4 M W F 215 G H GUBACK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

COMM 308 THE ART OF THE SCREEN: EXPOSITION AND PERSUASION.
 SAME AS SPCH. 308.
 PREREQUISITE: COMM. 307 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 16646 LECT-DISC 3 M W 49 L I R MUELLER
 3-5 F 49 L I R

COMM 325 INTRODUCTION TO PSYCHOLINGUISTICS.
 SAME AS LING. 325.
 PREREQUISITE: AN INTRODUCTORY COURSE IN LINGUISTICS OR PSYCHOLOGY,
 AND CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 16654 LECT-DISC 10 M W F 311 G H MACLAY

COMM 351 ADVANCED SOCIAL PSYCHOLOGY.
 SAME AS PSYCH. 351 AND SOC. 351.
 PREREQUISITE: PSYCH. 201 OR SOC. 201 AND EITHER PSYCH. 235 OR
 SOC. 385 OR A COMPARABLE STATISTICS COURSE.
 3 HOURS, OR 1/2 OR 1 UNIT
 16662 LECT 1-220 TU TH 23 PSYCH BLOG TRIANOIS

COMM 370 LANGUAGE, CULTURE AND SOCIETY.
 SAME AS ANTH. AND LING. 370.
 3 HOURS, OR 1/2 OR 1 UNIT
 16671 LECT-DISC 3 M W F 317 G H BRUKMAN

COURSES FOR GRADUATES

COMM 414 SEMINAR ON SOCIAL INTERACTION.
 SAME AS SOC. 414.
 PREREQUISITE: ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY.
 1 UNIT
 16689 LECT-DISC S 2-4 TU 333 L H HULETT

COMM 420 SEMINAR IN SEMANTICS.
 SAME AS PHIL. 420.
 PREREQUISITE: GRADUATE STANDING IN PHILOSOPHY OR EQUIVALENT.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 TOPIC--REFERRING.
 16697 LECT-DISC 4-6 TU 304 G H

COMM 424 LINGUISTICS AND COMMUNICATION.
 SAME AS LING. 424.
 1 UNIT
 16701 LECT-DISC 3-5 TU 123 G H MACLAY

COMM 426 RESEARCH SEMINAR IN PSYCHOLINGUISTICS.
 SAME AS LING. AND PSYCH. 426.
 PREREQUISITE: COMM. 425, CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 16719 LECT 10-12 TU 21 PSYCH LAB

COMM 432 BOOKS AND LIBRARIES SINCE THE RENAISSANCE.
 SAME AS LIB. S. 432.
 1 UNIT
 16727 LECT-DISC 1-3 TU 227 LIB STEVENS

COMM 444 SEMINAR IN PUBLIC OPINION.
 SAME AS SOC. 444.
 1 UNIT
 16735 LECT-DISC R 1-3 TH 333 L H SIMON

COMM 456 PSYCHOLOGY OF SOCIAL COMMUNICATION.
 SAME AS PSYCH. 456.
 PREREQUISITE: PSYCH. 351 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 16743 LECT 2-4 M 21 PSYCH LAB FISHBEIN

COMM 463 WORLD BROADCASTING.
 SAME AS R. TV. 463.
 PREREQUISITE: COMM. 462 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 16751 LECT-DISC H 3-5 M 123 G H

COMM 470 COMMUNICATIONS AND POPULAR CULTURE.
 SAME AS JOURN. 470.
 PREREQUISITE: CONSENT OF THE COLLEGE OF COMMUNICATIONS.
 1 UNIT
 16760 LECT-DISC T 3-5 TH 123 G H CAREY

COMM 474 COMMUNICATIONS SYSTEMS.
 SAME AS JOURN. 474.
 PREREQUISITE: CONSENT OF THE COLLEGE OF COMMUNICATIONS.
 1 UNIT
 16778 LECT-DISC R 1-3 TH 123 G H SCHILLER

COMM 481 ADVANCED ADVERTISING PRINCIPLES.
 SAME AS ADV. 481.
 *GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND
 COMM. 481.
 *1 UNIT
 16786 LECT-DISC G 3-5 W 18 G H WEDDING

COMM 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
 SAME AS ADV. 482.
 1 UNIT
 16794 LECT-DISC R 1-3 TU 123 G H

COMM 490 SPECIAL TOPICS IN COMMUNICATIONS.
 PREREQUISITE: CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE
 STUDY IN COMMUNICATIONS.
 1/2 TO 2 UNITS
 16808 CONF ARR STAFF

COMM 499 THESIS RESEARCH.
 PREREQUISITE: CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE STUDY
 IN COMMUNICATIONS AND THESIS SUPERVISOR.
 *STUDENTS MAY ACCUMULATE A TOTAL OF 8 UNITS.
 *0 TO 4 UNITS
 16816 CONF ARR STAFF

COMPARATIVE LITERATURE

DEPARTMENT OFFICE

401 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

C LIT 364 INTRODUCTION TO COMPARATIVE LITERATURE, II.

SAME AS HUMAN. 364.

3 HOURS OR 3/4 UNIT

16824	LECT-DISC D	11	TU TH	102 L H
16832	LECT-DISC F	2	TU TH	145 L H

COURSES FOR GRADUATES

C LIT 451 SEMINAR IN LITERARY MOVEMENTS.

*STUDENTS MAY ACCUMULATE 3 UNITS.

*1 UNIT

*SECTION A: THE ENLIGHTENMENT.

*SECTION B: OLD ENGLISH--BEOWULF.

*SECTION C: 19TH CENTURY GERMAN REALISM WITH SPECIAL REFERENCE TO ANGLO-GERMAN LITERARY RELATIONS.

*SECTION D: NATURALISM, SYMBOLISM, EXPRESSIONISM.

*SECTION E: STUDIES IN THE ROMANTIC MOVEMENT, II.

16841	LECT-DISC *A	10-12	TH	176 L H	ALORIDGE
16859	LECT-DISC *B	11	M W F	309 L18	CAMPBELL
16867	LECT-DISC *C	7-9PM	W	429 L18	FRY
16875	LECT-DISC *D	9-11	TH	240 L H	KNUST
16883	LECT-DISC *E	2	TU TH	2108 E B	STILLINGER

C LIT 452 SEMINAR IN LITERARY RELATIONS.

*STUDENTS MAY ACCUMULATE THREE UNITS.

*1 UNIT

TOPIC: THE PROBLEM OF INFLUENCE.

16891	LECT-DISC	4-6	W	118 L H	ALORIDGE
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C LIT 461 SEMINAR IN LITERARY FORMS.

*STUDENTS MAY ACCUMULATE 3 UNITS.

*1 UNIT

*SECTION A: MEDIEVAL LYRIC POETRY.

*SECTION B: TECHNIK DES ROMANS MIT BESONDERER BERUICKSICHTIGUNG DES DEUTSCHEN ROMANS.

*SECTION C: ASPECTS OF THE EPIC THEATER.

*SECTION D: STUDIES IN MODERN DRAMA.

16905	LECT-DISC *A	7-9PM	W	2108 E B	DELIGIORIS
16948	LECT-DISC A	ARR			
16913	LECT-DISC *B	4-6	W	429 L18	JOST
16921	LECT-DISC *C	9-11	TU	240 L H	KNUST
16930	LECT-DISC *D	4-6	W	223 E B	SHATTUCK

C LIT 462 SEMINAR IN LITERARY THEMES AND TYPES.

*STUDENTS MAY ACCUMULATE THREE UNITS.

*1 UNIT

16956	LECT-DISC B	ARR			
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C LIT 493 SPECIAL STUDIES.

1/4 TO 1 UNIT

*SECTION A IS FOR 1 UNIT. SECTION B IS FOR 1/2 UNIT.

16964	CONF	*A	ARR
16972	CONF	*B	ARR

C LIT 499 THESIS RESEARCH.

0 TO 4 UNITS

16981	CONF	ARR
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COMPUTER SCIENCE

DEPARTMENT OFFICE

252 O C L

MAJOR IN MATHEMATICS AND COMPUTER SCIENCE

NOTE: THIS MAJOR IS OFFERED BY THE MATHEMATICS DEPARTMENT UNDER THE CURRICULUM IN SCIENCE AND LETTERS FOR STUDENTS OF MATHEMATICS WHO HAVE A SPECIAL INTEREST IN THE USE OF COMPUTERS.

MAJOR: MATH. 123, 132, 142 (OR 133, 143), 341, 342, 317, 318, 347, 348 (OR 361).

FIRST MINOR: C. S. 121, 201, 287 AND ONE OF COMPUTER SCIENCE 293, 294, 301 OR 311.

SECOND MINOR: AT LEAST EIGHT HOURS IN A SUBJECT APPROVED BY THE DEPARTMENT.

NOTE: IN SPECIAL CIRCUMSTANCES WITH THE CONSENT OF THE ADVISOR, OTHER 100-LEVEL BEGINNING COMPUTER SCIENCE COURSES MAY BE SUBSTITUTED FOR COMPUTER SCIENCE 121.

DISTINCTION IN MATHEMATICS AND COMPUTER SCIENCE: A STUDENT WHO SATISFIES THE FOLLOWING REQUIREMENTS MAY, UPON RECOMMENDATION OF THE DEPARTMENT OF MATHEMATICS AND OF COMPUTER SCIENCE, BE GRADUATED WITH DISTINCTION IN MATHEMATICS AND COMPUTER SCIENCE:

1. SATISFY THE LAS COLLEGE REQUIREMENTS FOR GRADUATION.
2. COMPLETE THE MINIMUM REQUIREMENT OF THE MAJOR IN MATHEMATICS AND COMPUTER SCIENCE WITH A GRADE POINT AVERAGE OF AT LEAST 4.25 IN ALL MATHEMATICS AND COMPUTER SCIENCE COURSES.
3. COMPLETE THREE HOURS OF ADDITIONAL COURSES CHOSEN FROM COMPUTER SCIENCE 109, 209, 290, 290, 301, 306, 311, 385, 387, 391, 392, 393, 394, 397.
4. REGISTER HIS CANDIDACY FOR DISTINCTION WITH HIS ADVISOR NO LATER THAN THE END OF HIS JUNIOR YEAR.

COURSES FOR UNDERGRADUATES

C S 101 INTRODUCTION TO AUTOMATIC DIGITAL COMPUTING.

*STUDENTS MAY RECEIVE CREDIT FOR ONLY ONE OF THE FOLLOWING: C. S. 101, 103, 105, 107, OR 121.

*3 HOURS

GRADUATE STUDENTS DESIRING AN ELEMENTARY KNOWLEDGE OF PROGRAMMING SHOULD ENROLL IN COMPUTER SCIENCE 400.

NOTE: IN EACH CASE THE QUIZ SECTION SHOULD BE SELECTED TO FOLLOW THE SECOND LECTURE OF THE WEEK.

EVENING HOUR EXAMS WILL BE GIVEN ON TUESDAY, MARCH 24, 1970, AND TUESDAY, APRIL 28, 1970, AT 7 P.M.

16999	LECT	B1	9	M	W	314	A H	SNYDER
17005	LECT	C1	10	M	W	100	M M B	SAYLOR
17013	LECT	D1	11	M	W	100	M M B	RAY
17021	LECT	M1	1	M	W	151	E E B	PHILLIPS
17030	QUIZ	E1	1		W	260	M E B	
17048	QUIZ	F1	2		W	260	M E B	
17056	QUIZ	G1	3		W	1538	M E B	
17064	QUIZ	H1	4		W	260	E E B	
17072	QUIZ	M1	9		TH	260	E E B	
17081	QUIZ	M2	9		TH	250	E E B	
17099	QUIZ	N1	10		TH	254	E E B	
17102	QUIZ	N2	10		TH	43	E E B	
17111	QUIZ	P1	11		TH	43	E E B	
17129	QUIZ	P2	11		TH	250	E E B	
17137	QUIZ	R1	1		TH	162	E E B	
17145	QUIZ	R2	1		TH	250	E E B	
17153	QUIZ	S1	2		TH	162	E E B	
17161	QUIZ	S2	2		TH	250	E E B	
17170	QUIZ	T1	3		TH	162	E E B	
17188	QUIZ	T2	3		TH	250	E E B	
17196	QUIZ	U1	4		TH	162	E E B	
17200	QUIZ	U2	4		TH	250	E E B	

C S	101	CONTINUED						
	17218	QUIZ	B1	9	F	156	M E B	
	17226	QUIZ	B2	9	F	238	M E B	
	17234	QUIZ	B3	9	F	244	M E B	
	17242	QUIZ	B4	9	F	420	E H	
	17251	QUIZ	C1	10	F	256	M E B	
	17269	QUIZ	C2	10	F	137	P B	
	17277	QUIZ	C3	10	F	322	D K H	
	17285	QUIZ	C4	10	F	162	L H	
	17293	QUIZ	D1	11	F	153B	M E B	
	17307	QUIZ	D2	11	F	256	M E B	
	17315	QUIZ	D3	11	F	260	M E B	
	17323	QUIZ	D4	11	F	162	E B	
	17331	QUIZ	E2	1	F	260	M E B	
	17340	QUIZ	E3	1	F	110	M E B	
	17358	QUIZ	E4	1	F	138	M E B	
	17366	QUIZ	E5	1	F	143A	M E B	
	17374	QUIZ	F2	2	F	260	M E B	
	17382	QUIZ	F3	2	F	153B	M E B	

C S 103 INTRODUCTION TO SOCIAL AND BEHAVIORAL SCIENCE DIGITAL COMPUTER PROGRAMMING.

PREREQUISITE: SOPHOMORE STANDING AND A YEAR OF COLLEGE MATHEMATICS OR STATISTICS.

*STUDENTS MAY RECEIVE CREDIT FOR ONLY ONE OF THE FOLLOWING:

C. S. 101, 103, 105, 107, OR 121

*3 HOURS

NOTE: IN EACH CASE, THE QUIZ SECTION SHOULD BE SELECTED TO FOLLOW THE SECOND LECTURE OF THE WEEK.

17391	LECT	D	11	M	W	101	ARMORY	
17404	QUIZ	E1	1			153B	M E B	
17412	QUIZ	M1	9		TH	200	T L	
17421	QUIZ	S1	2		TH	260	M E B	
17439	QUIZ	D1	11		F	202	T B	
17447	QUIZ	G1	3		F	153B	M E B	

DICKMAN

C S 105 INTRODUCTION TO COMPUTERS AND THEIR APPLICATION TO BUSINESS AND COMMERCE.

*STUDENTS MAY RECEIVE CREDIT FOR ONLY ONE OF THE FOLLOWING:

C. S. 101, 103, 105, 107, OR 121.

*3 HOURS

17455	LECT	C	11	M	W	314	A H	
17463	LECT	E	1	M	W	100	M M B	
17471	LECT	M	9		TU TH	314	A H	
17480	QUIZ	F1	2		W	105F	WOODSHOP	
17498	QUIZ	G1	3		W	105F	WOODSHOP	
17501	QUIZ	H1	4		W	105F	WOODSHOP	
17510	QUIZ	M1	9		TH	101	WOODSHOP	
17528	QUIZ	N1	10		TH	101	WOODSHOP	
17536	QUIZ	P1	11		TH	101	WOODSHOP	
17544	QUIZ	R1	1		TH	101	WOODSHOP	
17552	QUIZ	S1	2		TH	101	WOODSHOP	
17561	QUIZ	T1	3		TH	101	WOODSHOP	
17579	QUIZ	U1	4		TH	101	WOODSHOP	
17587	QUIZ	C1	10		F	240	ADMIN	
17595	QUIZ	C2	10		F	13	PSYCH BLDG	
17609	QUIZ	C3	10		F	102	L H	
17617	QUIZ	D1	11		F	105G	WOODSHOP	
17625	QUIZ	E1	1		F	153A	M E B	
17633	QUIZ	E2	1		F	153B	M E B	
17641	QUIZ	F1	2		F	110	M E B	
17650	QUIZ	F2	2		F	305	T L	
17668	QUIZ	G1	3		F	110	M E B	
17676	QUIZ	G2	3		F	136	M E B	

FRIEDMAN
SMITH

C S 109 HONORS COURSE IN COMPUTER SCIENCE.

ENROLLMENT WILL BE STRICTLY LIMITED TO STUDENTS WITH SUPERIOR TALENTS IN COMPUTER SCIENCE.

PREREQUISITE: REGISTRATION IN C. S. 101 OR 121.

1 HOUR

17684	LECT-DISC	E	ARR					
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SAYLOR

C S 121 INTRODUCTION TO COMPUTER PROGRAMMING.
 *STUDENTS MAY RECEIVE CREDIT FOR ONLY ONE OF THE FOLLOWING:
 C. S. 101, 103, 105, 107, OR 121.
 *4 HOURS
 NOTE: IN EACH CASE, THE QUIZ SECTION SHOULD BE SELECTED TO FOLLOW
 THE SECOND LECTURE OF THE WEEK.

17692	LECT	8	9	M	W	66	L18	NIEVERGELT
17706	QUIZ	C1	10		W	105F	WOODSHOP	
17714	QUIZ	G1	3		W	101	WOODSHOP	
17722	QUIZ	M1	9		TH	105C	WOODSHOP	
17731	QUIZ	P1	11		TH	102	WOODSHOP	
17749	QUIZ	T1	3		TH	105B	WOODSHOP	
17757	QUIZ	81	9		F	214	CER	
17765	QUIZ	82	9		F	320	CER	
17773	QUIZ	83	9		F	231	N H 8	

C S 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 17781 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

C S 201 MACHINE LANGUAGE AND SYSTEM PROGRAMMING, I.
 PREREQUISITE: C. S. 101 OR 121, OR CONSENT OF INSTRUCTOR.
 3 HOURS
 17790 LECT-DISC D1 11-1220 W F 314 A H GARY

C S 209 HONORS COURSE IN COMPUTER SCIENCE.
 PREREQUISITE: C. S. 101 OR 121; REGISTRATION IN C. S. 201 OR 294;
 CONSENT OF INSTRUCTOR.
 1 HOUR
 17803 LECT-DISC 6A ARR GARY
 17811 LECT-DISC 6B ARR BOWDON

C S 287 INTRODUCTION TO NUMERICAL ANALYSIS.
 SAME AS MATH. 287.
 PREREQUISITE: C. S. 101 OR 121, ONE YEAR OF CALCULUS, OR CONSENT OF
 INSTRUCTOR.
 3 HOURS
 17820 LECT-DISC C1 10 M W F 314 A H GILLIES

C S 290 INDIVIDUAL STUDY.
 PREREQUISITE: C. S. 101 OR 121; C. S. 201 OR 294; OR CONSENT OF
 INSTRUCTOR.
 1 OR 2 HOURS
 17838 DISC ARR STAFF

C S 293 INTRODUCTION TO COMPUTER HARDWARE.
 PREREQUISITE: C. S. 101, 103, OR 121; MATH. 142 OR 143; OR CONSENT
 OF INSTRUCTOR.
 3 HOURS
 17846 LAB-DISC 81 9 M W F 115 D C L FAIMAN

C S 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
 SAME AS E. E. 294.
 PREREQUISITE: JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
 3 HOURS
 17854 LECT D1 11 M W F 151 E E 8 BOWDON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

C S 306 MACHINE LANGUAGE AND SYSTEM PROGRAMMING, II.
 PREREQUISITE: C. S. 201 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 17871 LECT-DISC C1 1030-12 TU TH 196 L H KUCK

C S 311 MATHEMATICAL THEORY OF DATA PROCESSING.
 PREREQUISITE: C. S. 101, 121, OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 17889 LECT-DISC D1 11 M W F 101 WOODSHOP MCCORMICK

S	387	NUMERICAL ANALYSIS. SAME AS MATH. 387. PREREQUISITE: C. S. OR MATH. 287, A KNOWLEDGE OF ELEMENTARY MATRIX ALGEBRA, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT	17897	LECT-DISC	E1	1	M W F	238	ADMIN	FOSOICK
: S	391	BOOLEAN ALGEBRA AND SWITCHING THEORY. SAME AS E. E. AND MATH. 391. PREREQUISITE: SENIOR STANDING AND CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	17901	LECT-DISC	N1	1030-12	TU TH	110	A H	HOHN
C S	392	INTRODUCTION TO AUTOMATA THEORY. SAME AS E. E. AND MATH. 392. PREREQUISITE: C. S., E. E. OR MATH. 391 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	17919	LECT-DISC	B1	9	M W F	245	E E B	METZE
			17927	LECT-DISC	M1	9-1030	TU TH	141	E E B	MULLER
C S	397	SPECIAL TOPICS IN COMPUTER SCIENCE. PREREQUISITE: CONSENT OF INSTRUCTOR. 2 TO 3 HOURS, OR 1/2 TO 1 UNIT SECTION A TOPIC: COMPUTER APPLICATION TO PROBLEMS IN MATHEMATICS. SECTION B TOPIC: INFORMATION STRUCTURES.	17935	LECT-DISC	*A	2	M W F	105G	WOODSHOP	NIEVERGELT
			17943	LECT-DISC	*B	10	M W F	236	M E B	PHILLIPS
COURSES FOR GRADUATES										
C S	400	INTRODUCTION TO AUTOMATIC DIGITAL COMPUTING FOR GRADUATE STUDENTS. 1 HOUR	17951	LECT-DISC	S1	2	TU	151	E E B	SAYLOR
C S	413	COMPUTER APPLICATIONS IN SOCIAL SCIENCE STATISTICAL RESEARCH. SAME AS PSYCH. AND SOC. 413. PREREQUISITE: SOC. 387 OR EQUIVALENT IN STATISTICS; MAY BE TAKEN CONCURRENTLY WITH SOC. 387. 1 UNIT	17960	LECT-DISC	E	1-220	TU TH	105G	WOODSHOP	DICKMAN
C S	414	ENGINEERING APPLICATIONS OF LINEAR GRAPHS. SAME AS E. E. 414. PREREQUISITE: E. E. 416, MATH. 315 OR 318. 1 UNIT	17978	DISC	E	1	M W F	335	E E B	MAYEDA
C S	458	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS. SAME AS MATH. 458. PREREQUISITE: C. S. OR MATH. 457, OR CONSENT OF INSTRUCTOR. 1 UNIT	17986	LECT-DISC	B1	9	M W F	102	A H	DAVIS
C S	465	TOPICS IN AUTOMATA THEORY. SAME AS E. E. AND MATH. 465. PREREQUISITE: C. S., E. E. OR MATH. 392, OR CONSENT OF INSTRUCTOR. 1 UNIT	17994	LECT-DISC	D1	11	M W F	110	A H	MULLER
C S	481	THRESHOLD LOGIC. SAME AS E. E. 481. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	18001	DISC	N	10-1120	TU TH	169	E E B	MUROGA
C S	482	THEORY OF DIGITAL COMPUTER ARITHMETIC. SAME AS E. E. 482. PREREQUISITE: C. S. OR E. E. 394. 1 UNIT	18019	DISC	N	1030-12	TU TH	170	E E B	ROBERTSON

C S 490 INDIVIDUAL STUDY.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
18027 CONF ARR STAFF

C S 491 SEMINAR IN COMPUTER SCIENCE.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1/2 TO 1 UNIT
*SECTION A TOPIC: COMBINATORIAL MATHEMATICS IN
COMPUTER DESIGN. CREDIT--1/2 UNIT.
*SECTION B TOPIC: NUMERICAL SOLUTION OF BOUNDARY VALUE
PROBLEMS. CREDIT--1/2 UNIT.
*SECTION C TOPIC--IMAGE PROCESSES, CREDIT--1 UNIT.
18035 CONF *A ARR MUROGA
18043 CONF *B ARR SAYLOR
18051 CONF *C ARR MCCORMICK

C S 499 THESIS RESEARCH.
PREREQUISITE: CONSENT OF INSTRUCTOR.
0 TO 4 UNITS
*SECTION A IS FOR CANDIDATES FOR A MASTERS DEGREE.
*SECTION B IS FOR CANDIDATES FOR A PH.D. DEGREE.
18060 CONF *A ARR STAFF
18078 CONF *B ARR STAFF

DAIRY SCIENCE

DEPARTMENT OFFICE

315 A S L

COURSES FOR UNDERGRADUATES

D S 100 INTRODUCTION TO DAIRY PRODUCTION.
3 HOURS
18086 LECT A 9 M 135 A S L HARSHBARGER,
QUIZ A 9 W 135 A S L KENOALL, SPAHR
LAB A 8-10 F STOCK PAVILION

D S 110 PLANT AND ANIMAL GENETICS.
SAME AS AN. S., AGRON., AND HORT. 110.
PREREQUISITE: BIOL. 110 AND 111 OR BOT. 100 (OR BOT. 101)
AND ZOOL. 104.
3 HOURS
18094 LECT 2 M W W109 T H ALEXANDER
18108 LAB 1 1-3 TU W 13 T H AND STAFF
18116 LAB 2 3-5 TU W 13 T H
18124 LAB 3 1-3 TH W 13 T H

COURSES FOR ADVANCED UNDERGRADUATES

D S 201 LIVESTOCK MANAGEMENT.
SAME AS AN. S. 201.
PREREQUISITE: AN. S./D. S. 221 OR AN. S. 325.
*ANIMAL AND DAIRY SCIENCE MAJORS DO NOT RECEIVE CREDIT FOR THIS
COURSE.
*5 HOURS
18132 LECT-DISC 11 MTUWTHF 135 A S L JOHNSON
AND SPAHR

D S 204 DAIRY CATTLE EVALUATION.
PREREQUISITE: D. S. 100 OR CONSENT OF INSTRUCTOR.
3 HOURS
18141 LECT-DISC 1-3 TU STOCK PAVILION SPAHR
1-3 TH 153 A S L

D S	221	ANIMAL NUTRITION. SAME AS AN. S. 221. PREREQUISITE: CHEM. 102(NEW), 132, OR 133. 4 HOURS		18159	LECT-DISC	10	TUWTHF	135	A S L	BAKER AND DAVIS
D S	230	COMPARATIVE PHYSIOLOGY OF REPRODUCTION, LACTATION AND GROWTH. SAME AS AN. S. 230. PREREQUISITE: ZOOL. 104 AND ONE COURSE IN CHEMISTRY. 3 HOURS		18167	LECT LAB	9 10-12	TU TH TU	153 414	A S L A S L	HAYS AND DZIUK
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES										
D S	300	SPECIAL PROBLEMS. PREREQUISITE: MINIMUM GRADE POINT AVERAGE OF 3.5; NOT OPEN TO STUDENTS ON PROBATION; SENIOR STANDING; CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. 1 TO 5 HOURS, OR 1/2 TO 1 UNIT SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE. *SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.		18175 18183	CONF CONF	A *6B	ARR ARR			SALISBURY AND STAFF
D S	305	GENETICS AND ANIMAL IMPROVEMENT. SAME AS AN. S. 305. PREREQUISITE: D. S. 110 OR EQUIVALENT. 3 HOURS OR 3/4 UNIT		18191	LECT DISC	10 10	M W F	153 153	A S L A S L	TOUCHBERRY AND RASMUSEN
D S	320	NUTRITION AND DIGESTIVE PHYSIOLOGY OF RUMINANTS. SAME AS AN. S. 320. PREREQUISITE: D. S./AN. S. 221. 3 HOURS OR 3/4 UNIT		18205	LECT	9	M W F	N107	T H	DAVIS AND HINDS
D S	334	MARKETING OF DAIRY PRODUCTS. SAME AS AG. EC. 334. PREREQUISITE: AG. EC. 230, OR AN ELEMENTARY MARKETING COURSE OR TWELVE HOURS OF DAIRY SCIENCE OR DAIRY TECHNOLOGY. INSPECTION TRIP, ESTIMATED EXPENSE, \$5. 3 HOURS, OR 3/4 OR 1 UNIT		18213	LECT-DISC	A	8	M W F	316S M H	GRUEBELE
D S	340	INTRODUCTION TO APPLIED STATISTICS. SAME AS AG. E., AGRON., AN. S., F. S. FOR., HORT., AND V. M. S. 340. PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT. 4 HOURS OR 3/4 UNIT		18221 18230 18248 18256 18264	LECT LAB-DISC LAB-DISC LAB-DISC LAB-DISC	9 1 2 3 4	TU TH 1-3 M 3-5 M 1-3 TU 3-5 TU	W109 N107 W223 W223 W223	T H T H T H T H T H	SEIF
D S	350	WORLD ANIMAL AGRICULTURE. SAME AS AN. S. 350. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT		18272	LECT	8	M W F	121	A S L	KASTELIC AND BROWN

COURSES FOR GRADUATES

O S	408	PHYSIOLOGY OF LACTATION. 1/2 TO 2 UNITS	18281	LAB-OISC	ARR	341	A S L	HAYS
O S	412	ADVANCED ENDOCRINOLOGY. SAME AS AN. S., PHYSL., AND ZOOL. 412. PREREQUISITE: CONSENT OF INSTRUCTOR. *STUDENTS MAY ACCUMULATE 2 UNITS. *1/2 UNIT TOPIC--TO BE ANNOUNCED	18299	DISC	730-10PM M	140	BUR HALL	NALBANDOV, FOSTER, GORSKY JACKSON, AND OZTUK
O S	416	POPULATION GENETICS AND ANIMAL BREEDING. SAME AS AN. S. 416. PREREQUISITE: O. S. 110 OR EQUIVALENT. 1 UNIT	18302	LECT	8 M W F	341	A S L	TOUCHBERRY
O S	440	DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS. SAME AS AG. E., AGRON., AN. S., F. S., FOR., HORT., AND V. M. S. 440. PREREQUISITE: O. S. 340 OR EQUIVALENT. 3/4 UNIT	18311	LECT	9 M W	W109	T H	SEIF, CARMER, AND WALKER
			18329	LAB-OISC 1	3-5	TH	W223	T H
			18337	LAB-OISC 2	1-3	F	W121	T H
O S	450	DAIRY BACTERIOLOGY. PREREQUISITE: TEN HOURS OF ADVANCED MICROBIOLOGY AND/OR CHEMISTRY, AND CONSENT OF INSTRUCTOR. 1/2 TO 2 UNITS	18345	LAB	ARR	462	A S L	BRYANT & WOLIN
O S	481	ANIMAL BIOCHEMICAL LABORATORY TECHNIQUES. SAME AS AN. S. 481. PREREQUISITE: CHEM. 350 AND 355; CONSENT OF INSTRUCTOR. 1 UNIT *PLUS TWO HOURS TO BE ARRANGED.	18353	LAB-OISC	*1-4 TU TH	341	A S L	LARSON
O S	490	DAIRY SCIENCE SEMINAR. PREREQUISITE: GRADUATE MAJOR OR MINOR IN DAIRY SCIENCE. 1/2 UNIT	18361	CONF	4 TH	341	A S L	SALISBURY
O S	493	SPECIAL PROBLEMS. 1/2 TO 2 UNITS	18370	CONF	ARR			SALISBURY AND STAFF
O S	499	THESIS RESEARCH. 0 TO 4 UNITS	18388	CONF	ARR			SALISBURY AND STAFF

DAIRY TECHNOLOGY
SEE FOOD SCIENCE

DANCE

DEPARTMENT OFFICE

162 KRAN CENTER

PROFESSIONAL COURSES FOR UNDERGRADUATES

DANCE 101 BEGINNING MODERN DANCE.

FOR NON-DANCE MAJORS.

*MAY BE REPEATED FOR ONE ADDITIONAL HOUR.

*1 HOUR

18396	LAB	E	1	M W F	311	FREER GYM
18400	LAB	F	2	M W F	218	E B

DANCE 160 BEGINNING TECHNIQUE.

*MAY BE REPEATED FOR A MAXIMUM OF 12 HOURS.

*3 HOURS

18418	LAB	B	9-1030	MTWTHF	DANCE RHRSL KRAN
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DANCE 163 IMPROVISATION, II.

PREREQUISITE: DANCE 162 OR CONSENT OF INSTRUCTOR.

1 HOUR

18426	LAB	D	11	M W F	10	FREER GYM
18434	LAB	F	2	M W F	10	FREER GYM

DANCE 165 INTERMEDIATE TECHNIQUE.

PREREQUISITE: DANCE 160 OR CONSENT OF INSTRUCTOR.

*MAY BE REPEATED FOR A MAXIMUM OF 12 HOURS.

*3 HOURS

18442	LAB	C1	1030-12	MTWTHF	DANCE RHRSL KRAN
18451	LAB	X	12-130	MTWTHF	DANCE RHRSL KRAN

DANCE 167 BEGINNING BALLET, II.

PREREQUISITE: DANCE 166 OR CONSENT OF INSTRUCTOR.

*MAY BE REPEATED ONCE FOR CREDIT.

*1 HOUR

18469	LAB	M	9-1015	TU TH	10	FREER GYM
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DANCE 169 MUSIC THEORY AND PRACTICE FOR DANCE, II.

PREREQUISITE: DANCE 168 OR CONSENT OF INSTRUCTOR.

2 HOURS

18477	LAB-DISC	G	3	M W F	901 W ILLINOIS
18485	LAB-DISC	H	4	M W F	901 W ILLINOIS

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

DANCE 244 TEACHING OF DANCE.

PREREQUISITE: DANCE 243 OR CONSENT OF INSTRUCTOR.

3 HOURS

STUDENTS IN THE TEACHING OF DANCE CURRICULUM ARE REQUIRED TO ENROLL IN SE. ED. 241.

18493	LAB	C	930-1230	S	DANCE RHRSL KRAN
	LECT-DISC	C	10	M W	901 W ILLINOIS

DANCE 260 ADVANCED TECHNIQUE, I.

PREREQUISITE: DANCE 165 OR CONSENT OF INSTRUCTOR.

*MAY BE REPEATED FOR A MAXIMUM OF 12 HOURS.

*3 HOURS

18507	LAB	E1	130-3	MTWTHF	DANCE RHRSL KRAN
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DANCE 264 INTERMEDIATE COMPOSITION.

PREREQUISITE: DANCE 164 OR CONSENT OF INSTRUCTOR.

2 HOURS

18515	LAB	T	3-5	TU TH	DANCE RHRSL KRAN
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DANCE 267 INTERMEDIATE BALLET, II.

PREREQUISITE: DANCE 266 OR CONSENT OF INSTRUCTOR.

1 HOUR

18523	LAB	N1	1030-1115	TU TH	10	FREER GYM
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

- DANCE 341 HISTORY OF THE DANCE, II.
PREREQUISITE: DANCE 340.
3 HOURS, OR 3/4 TO 1 UNIT
18531 LECT 0 11 M W F 901 W ILLINOIS
- DANCE 345 DANCE PRODUCTION WORKSHOP.
PREREQUISITE: DANCE 264 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 TO 1 UNIT
18540 LAB-DISC T 3-5 TU TH 10 FREER GYM
- DANCE 346 THEORY AND PHILOSOPHY OF DANCE.
PREREQUISITE: DANCE 340 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 TO 1 UNIT
18558 LECT-DISC N 10-12 TU 901 W ILLINOIS
N 10 TH 901 W ILLINOIS
- DANCE 350 DANCE REPERTORY WORKSHOP.
PREREQUISITE: ENROLLMENT IN ADVANCED TECHNIQUE COURSE AND CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR A MAXIMUM OF 12 HOURS OR 2 UNITS.
*2 OR 4 HOURS, OR 1/2 OR 1 UNIT
18566 LAB G 3 M W F DANCE RHRSL KRAN
18574 LAB H 4 M W F DANCE RHRSL KRAN
- DANCE 351 SPECIAL PROBLEMS.
PREREQUISITE: JUNIOR STANDING AND CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR A MAXIMUM OF 8 HOURS OR 1 UNIT.
*2 OR 4 HOURS, OR 1/2 OR 1 UNIT
18582 LAB X 12-2 M 10 FREER GYM
18591 LAB H 4 F 10 FREER GYM
- DANCE 360 ADVANCED TECHNIQUE, II.
PREREQUISITE: DANCE 260 OR CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR A MAXIMUM OF 12 HOURS OR 1 UNIT.
*3 HOURS OR 1/2 UNIT
18604 LAB E1 130-3 MTUWTHF DANCE RHRSL KRAN

COURSES FOR GRADUATES

- DANCE 401 CHOREOGRAPHY.
PREREQUISITE: DANCE 345 OR EQUIVALENT.
1/2 TO 2 UNITS
18612 LAB X 12-2 W F 10 FREER GYM
18621 LAB H 4 M W 10 FREER GYM

ECONOMICS

DEPARTMENT OFFICE

330 COM W

MAJOR: TWENTY HOURS IN ECONOMICS, INCLUDING ECON. 108, OR 102 AND 103, 171, 300, AND 301. MATH. 124 AND 134 OR MATH. 132 ARE ALSO REQUIRED BUT ARE NOT ACCEPTABLE TOWARD THE TWENTY-HOUR MAJOR. LIBERAL ARTS MAJORS ARE STRONGLY ADVISED TO SELECT ACCY 201, WHICH IS NOT ACCEPTABLE TOWARD THE MAJOR REQUIREMENT.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANTHROPOLOGY, EDUCATION, FINANCE, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY. AN ECONOMICS MAJOR WHO CHOOSES FINANCE AS A MINOR MUST INCLUDE TWELVE HOURS IN A SECOND MINOR. THE CURRICULUM IN LATIN-AMERICAN, ASIAN, OR RUSSIAN AREA STUDIES IS ACCEPTED AS A MINOR.

NOTE: ECON. 102 AND 103 ARE REQUIRED FOR ALL COMMERCE STUDENTS, AND THESE OR 108 ARE REQUIRED FOR ALL LIBERAL ARTS MAJORS IN ECONOMICS. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN ECONOMICS SHOULD TAKE THESE COURSES IN THEIR SOPHOMORE YEAR.

COURSES FOR UNDERGRADUATES

ECON 102 PRINCIPLES OF ECONOMICS, 1.

PREREQUISITE: ONE SEMESTER OF COLLEGE WORK.

3 HOURS

*SECTION &L IS OPEN ONLY TO JAMES SCHOLARS, OR TO STUDENTS WITH A MINIMUM CUMULATIVE GRADE INDEX OF 4.25 AND THE WRITTEN CONSENT OF THE INSTRUCTOR.

18639	LECT-DISC	A	8	M W F	23	PSYCH	BLOG	WELLS
18833	LECT-DISC	*GL	8-930	TU TH	305	D K H		WELLS
STUDENTS REGISTERING IN THE FOLLOWING SECTIONS MUST CHOOSE ONE QUIZ-LECTURE COMBINATION.								
18655	QUIZ	N1	10	TU TH	125	D K H		
	LECT	1	2	M	141	COM W		BRANDIS
18663	QUIZ	N3	10	TU TH	40	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18671	QUIZ	P1	11	TU TH	126	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18680	QUIZ	X1	12	TU TH	130	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18698	QUIZ	R1	1	TU TH	40	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18701	QUIZ	R3	1	TU TH	245	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18710	QUIZ	S1	2	TU TH	140	COM W		
	LECT	1	2	M	141	COM W		BRANDIS
18728	QUIZ	T1	3	TU TH	119	D K H		
	LECT	1	2	M	141	COM W		BRANDIS
18736	QUIZ	M2	9	TU TH	307	D K H		
	LECT	2	3	M	141	COM W		BRANDIS
18744	QUIZ	M3	9	TU TH	40	COM W		
	LECT	2	3	M	141	COM W		
18752	QUIZ	N2	10	TU TH	222	D K H		
	LECT	2	3	M	141	COM W		
18761	QUIZ	P2	11	TU TH	222	D K H		
	LECT	2	3	M	141	COM W		
18779	QUIZ	P3	11	TU TH	119	D K H		
	LECT	2	3	M	141	COM W		
18787	QUIZ	X2	12	TU TH	222	D K H		
	LECT	2	3	M	141	COM W		
18795	QUIZ	R2	1	TU TH	119	D K H		
	LECT	2	3	M	141	COM W		
18809	QUIZ	S2	2	TU TH	125	D K H		
	LECT	2	3	M	141	COM W		
18817	QUIZ	S3	2	TU TH	40	COM W		
	LECT	2	3	M	141	COM W		
18825	QUIZ	T2	3	TU TH	40	COM W		
	LECT	2	3	M	141	COM W		

ECON 103 PRINCIPLES OF ECONOMICS, 11.

PREREQUISITE: ECON. 102.

3 HOURS

*SECTION F IS FOR STUDENTS WHO HAVE HAD ECONOMICS 108 OR ITS EQUIVALENT.

*SECTION &C IS OPEN TO JAMES SCHOLARS OR TO STUDENTS WITH A MINIMUM GRADE INDEX OF 4.25 AND THE WRITTEN CONSENT OF THE INSTRUCTOR.

18841	LECT-DISC	A1	8	M W F	245	COM W		
18850	LECT-DISC	A2	8	M W F	119	D K H		
18949	LECT-DISC	*GC	10	M W F	126	COM W		
18868	LECT-DISC	D1	11	M W F	119	D K H		
18876	LECT-DISC	D2	11	M W F	140	COM W		
18884	LECT-DISC	X1	12	M W F	222	D K H		
18892	LECT-DISC	E1	1	M W F	140	COM W		
18906	LECT-DISC	E2	1	M W F	40	COM W		
18931	LECT-DISC	*F	2	M W F	140	COM W		
18914	LECT-DISC	G1	3	M W F	305	D K H		
18922	LECT-DISC	G2	3	M W F	130	COM W		

ECON 108	ELEMENTS OF ECONOMICS.											
	NOT OPEN TO COMMERCE STUDENTS OR STUDENTS WHO HAVE HAD ECON. 102 AND 103.											
	PREREQUISITE: FIRST SEMESTER FRESHMAN IN ENGINEERING, SECOND SEMESTER FRESHMAN IN OTHER COLLEGES.											
	3 OR 4 HOURS											
	ADDITIONAL ONE HOUR CREDIT MAY BE OBTAINED FROM CONFERENCE SECTIONS LISTED BELOW.											
	*SECTIONS EA, EE AND EL ARE OPEN TO JAMES SCHOLARS OR TO STUDENTS WITH A MINIMUM CUMULATIVE GRADE INDEX OF 4.25 AND THE WRITTEN CONSENT OF THE INSTRUCTOR.											
	*SECTION N IS FOR THOSE PREPARING TO TEACH IN THE PUBLIC SCHOOLS.											
19286	LECT-DISC	*EA	8		M	W	F	125	D	K	H	BECKETT
19294	LECT-DISC	*EE	1		M	W	F	125	D	K	H	BECKETT
19308	LECT-DISC	*EL	8-930		TU	TH		20	COM	W		
19316	LECT-DISC	*N	10-12		TU	TH		2	EDUC			PADEN
	STUDENTS REGISTERING IN LECTURES 2, 3, OR 4 MUST CHOOSE ONE QUIZ-LECTURE COMBINATION. STUDENTS REGISTERING IN LECTURE-DISCUSSION 1 DO NOT ENROLL IN A QUIZ SECTION.											
	LECTURES 2 AND 3 ARE COMBINATIONS OF LIVE LECTURES AND TV. LECTURES 1 AND 4 ARE LIVE.											
18965	LECT-DISC	1	3		M	W	F	103	M	H		GOTTHEIL
18973	QUIZ	2L	8				TH	140	COM	W		
	LECT	2	9		M	W		103	M	H		PADEN
18981	QUIZ	2M1	9				TH	222	D	K	H	
	LECT	2	9		M	W		103	M	H		PADEN
18990	QUIZ	2M2	9				TH	140	COM	W		
	LECT	2	9		M	W		103	M	H		PADEN
19006	QUIZ	2N1	10				TH	111	D	K	H	
	LECT	2	9		M	W		103	M	H		PADEN
19014	QUIZ	2N2	10				TH	305	D	K	H	
	LECT	2	9		M	W		103	M	H		PADEN
19022	QUIZ	2N3	10				TH	126	COM	W		
	LECT	2	9		M	W		103	M	H		PADEN
19031	QUIZ	2P2	11				TH	111	D	K	H	
	LECT	2	9		M	W		103	M	H		PADEN
19049	QUIZ	2P1	11				TH	130	COM	W		
	LECT	2	9		M	W		103	M	H		PADEN
19057	QUIZ	2R	1				TH	307	D	K	H	
	LECT	2	9		M	W		103	M	H		PADEN
19065	QUIZ	3L	8				TH	119	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19073	QUIZ	3B	9				F	126	COM	W		
	LECT	3	8		M	W		66	L18			PADEN
19081	QUIZ	3P1	11				TH	125	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19090	QUIZ	3P2	11				TH	305	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19103	QUIZ	3R1	1				TH	111	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19111	QUIZ	3R2	1				TH	305	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19120	QUIZ	3R3	1				TH	130	COM	W		
	LECT	3	8		M	W		66	L18			PADEN
19138	QUIZ	3S1	2				TH	222	D	K	H	
	LECT	3	8		M	W		66	L18			PADEN
19146	QUIZ	3S2	2				TH	126	COM	W		
	LECT	3	8		M	W		66	L18			PADEN
19154	QUIZ	3S3	2				TH	130	COM	W		
	LECT	3	8		M	W		66	L18			PADEN
19162	QUIZ	4N1	10				TU	111	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19171	QUIZ	4N2	10				TU	307	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19189	QUIZ	4P1	11				TU	125	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19197	QUIZ	4P2	11				TU	307	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19201	QUIZ	4P3	11				TU	40	COM	W		
	LECT	4	2				W	F	141	COM	W	HEINS
19219	QUIZ	4R1	1				TU	140	COM	W		
	LECT	4	2				W	F	141	COM	W	HEINS
19227	QUIZ	4R2	1				TU	305	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19235	QUIZ	4R3	1				TU	307	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19243	QUIZ	4R4	1				TU	222	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19251	QUIZ	4S1	2				TU	307	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19260	QUIZ	4S2	2				TU	222	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS
19278	QUIZ	4S3	2				TU	305	D	K	H	
	LECT	4	2				W	F	141	COM	W	HEINS

ECON 108 CONTINUED

STUDENTS ENROLLED IN ECONOMICS 108 MAY ALSO ENROLL, ON AN OPTIONAL BASIS, IN ONE OF THE CONFERENCE SECTIONS FOR AN ADDITIONAL ONE HOUR OF CREDIT. THESE CONFERENCE SECTIONS WILL BE LIMITED IN ENROLLMENT AND WILL BE STAFFED BY SENIOR FACULTY MEMBERS. EACH SECTION WILL BE DEVOTED TO DISCUSSION OF PARTICULAR CURRENT ECONOMIC PROBLEMS AS NOTED BELOW:

*SECTION N1 TOPIC: COMPARATIVE SYSTEMS.

SECTION S TOPIC: LABOR AND MANPOWER PROBLEMS.

SECTION T TOPIC: ECONOMIC DEVELOPMENT WITH EMPHASIS ON TROPICAL AFRICA

SECTION U TOPIC: IMPERIALISM.

19324	CONF	*N1	10	TU	119	D K H	FERBER
19332	CONF	S	2	TU	119	D K H	MOYER
19341	CONF	T	3	TH	140	CDM W	DUE
19359	CONF	U	4	TU	125	D K H	VANDENORIES

ECON 171 INTRODUCTORY ECONOMIC STATISTICS.

FOR NON-COMMERCE STUDENTS ONLY.

PREREQUISITE: CONCURRENT REGISTRATION IN MATH. 134.

*NOT OPEN FOR CREDIT IN ADDITION TO ECON. 172 AND 173, MATH. 161, OR PSYCH. 135.

*3 HOURS

19367	LECT-DISC	A	8	M W F	111	D K H	YEUNG
	LAB	A	ARR				
19375	LECT-DISC	C	10	M W F	222	D K H	YEUNG
	LAB	C	ARR				
19383	LECT-DISC	G	3	M W F	24	CDM W	
	LAB	G	ARR				
19391	LECT-DISC	F	2	M W F	307	D K H	NOURSE
	LAB	F	2	TU	205	D K H	

ECON 172 ECONOMIC STATISTICS, I.

PREREQUISITE: MATH. 134 OR EQUIVALENT, AND CREDIT OR REGISTRATION IN ECON. 102 OR 108.

3 HOURS

19405	LECT-DISC	A1	8	M W F	307	D K H	
	LAB	A1	8	TU	205	D K H	
19413	LECT-DISC	A2	8	M W F	222	D K H	
	LAB	A2	8	TH	205	D K H	
19421	LECT-DISC	B1	9	M W F	222	D K H	
	LAB	B1	9	TU	205	D K H	
19430	LECT-DISC	B2	9	M W F	307	D K H	
	LAB	B2	9	TH	205	D K H	
19448	LECT-DISC	C	10	M W F	125	D K H	
	LAB	C	10	TU	205	D K H	
19456	LECT-DISC	D1	11	M W F	307	D K H	
	LAB	D1	11	TU	205	D K H	
19464	LECT-DISC	D2	11	M W F	222	D K H	
	LAB	D2	11	TH	205	D K H	
19472	LECT-DISC	G	3	M W F	119	D K H	
	LAB	G	3	TU	205	D K H	

ECON 173 ECONOMIC STATISTICS, II.

PREREQUISITE: ECON. 172 OR EQUIVALENT.

3 HOURS

*SECTION 6A2 IS OPEN TO JAMES SCHOLARS OR TO STUDENTS WITH A MINIMUM CUMULATIVE GRADE INDEX OF 4.25 AND THE WRITTEN CONSENT OF THE INSTRUCTOR.

19481	LECT-DISC	A1	8	M W F	305	D K H	
	LAB	A1	9	TU	205	D K H	
19570	LECT-DISC	*A2	8	M W F	40	CDM W	
	LAB	*A2	9	TH	205	D K H	
19499	LECT-DISC	B2	9	M W F	40	CDM W	
	LAB	B2	9	TH	205	D K H	
19502	LECT-DISC	C1	10	M W F	307	D K H	
	LAB	C1	10	TH	205	D K H	
19511	LECT-DISC	C2	10	M W F	305	D K H	
	LAB	C2	10	TH	205	D K H	
19529	LECT-DISC	E	1	M W F	307	D K H	
	LAB	E	1	TU	205	D K H	
19537	LECT-DISC	G1	3	M W F	111	D K H	
	LAB	G1	3	TH	205	D K H	
19545	LECT-DISC	G2	3	M W F	307	D K H	
	LAB	G2	ARR		205	D K H	
19553	LECT-DISC	H1	4	M W F	305	D K H	
	LAB	H1	ARR		205	D K H	
19561	LECT-DISC	H2	4	M W F	307	D K H	
	LAB	H2	ARR		205	D K H	

ECON 196 HONORS SEMINAR.
 OPEN TO FRESHMAN AND SOPHOMORE JAMES SCHOLARS ONLY.
 PREREQUISITE: ECON. 108.
 3 HOURS
 19588 LECT-DISC &G 3 M W F 126 COM W FERBER

ECON 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 19596 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ECON 200 ECONOMIC ANALYSIS FOR BUSINESS.
 PREREQUISITE: ECON. 103, MATH. 134 OR EQUIVALENT, AND CREDIT OR
 REGISTRATION IN ECON. 173 OR EQUIVALENT.
 3 HOURS
 19600 LECT-DISC E 1 M W F 305 D K H STEINKAMP

ECON 214 GOVERNMENT FINANCE AND TAXATION.
 PREREQUISITE: ECON. 103, OR 108.
 3 HOURS
 19618 LECT-DISC B 9 WTHF 245 COM W DUE
 19626 LECT-DISC D 11 M W F 40 COM W MOYER
 19634 LECT-DISC F 2 M W F 40 COM W
 19642 LECT-DISC G 3 M W F 245 COM W MOYER

ECON 236 AMERICAN ECONOMIC HISTORY.
 PREREQUISITE: JUNIOR STANDING, ECON. 103 OR 108.
 3 HOURS
 19651 LECT-DISC B 9 M W F 111 D K H KEMMERER
 19669 LECT-DISC C 10 M W F 111 D K H WESTON
 19677 LECT-DISC F 2 M W F 111 D K H USELDING

ECON 238 EUROPEAN ECONOMIC HISTORY.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS
 19685 LECT-DISC E 1 M W F 111 D K H NEAL

ECON 240 LABOR PROBLEMS.
 PREREQUISITE: ECON. 102 AND 103, OR 108.
 3 HOURS
 *SECTION &E IS OPEN TO JAMES SCHOLARS OR TO STUDENTS WITH A
 MINIMUM CUMULATIVE GRADE INDEX OF 4.25. ALL OTHER
 STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.
 19731 LECT-DISC *&E 1 M W F 94 COM W WALLACK
 19693 LECT B 9 W F 319 G H FOLK
 19707 QUIZ X1 12 TH 111 D K H
 19715 QUIZ P1 11 TH 307 D K H
 19723 QUIZ T1 3 TH 305 D K H

ECON 255 COMPARATIVE ECONOMIC SYSTEMS.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS
 *SECTION &D OPEN TO JAMES SCHOLARS OR TO STUDENTS WITH A
 MINIMUM CUMULATIVE GRADE INDEX OF 4.25 AND THE WRITTEN CONSENT
 OF THE INSTRUCTOR.
 19740 LECT-DISC E 9 M W F 141 COM W GOTTHEIL
 19774 LECT-DISC *&D 11 M W F 126 COM W MILLAR
 19758 LECT-DISC D 11 M W F 245 COM W FERBER
 19766 LECT-DISC F 2 M W F 245 COM W SCHRAN

ECON 272 INTRODUCTION TO ECONOMETRICS.
 PREREQUISITE: MATH. 134, ECON. 173.
 3 HOURS
 19782 LECT-DISC D 11 M W F 94 COM W YANCEY

ECON 288 GOVERNMENT REGULATION OF ECONOMIC ACTIVITY.
 PREREQUISITE: ECON. 102 AND 103, OR 108.
 3 HOURS
 19791 LECT-DISC C 10 M W F 140 COM W HARBESON

ECON	295	SENIOR RESEARCH. PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN THE JUNIOR YEAR. SENIOR STANDING. 2 TO 4 HOURS									
	19804	CONF	T	3-430	TU	126	COM W			SIMON	
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES											
ECON	300	INTERMEDIATE MICRO-ECONOMIC THEORY. PREREQUISITE: ECON. 103, OR 108. STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ECON. 200 AND 300. 3 HOURS OR 1/2 UNIT *ENROLLMENT IN SECTIONS 81, AND F RESTRICTED TO STUDENTS WHO HAVE NOT HAD MATH. 134 OR ITS EQUIVALENT.									
	19847	LECT-DISC	*81	9	M W F	119	D K H			GILLESPIE	
	19812	LECT-DISC	82	9	M W F	305	D K H			SHUPP	
	19821	LECT-DISC	C	10	M W F	119	D K H			SHUPP	
	19839	LECT-DISC	E	1	M W F	119	D K H			VANDENDRIES	
	19855	LECT-DISC	*F	2	M W F	119	D K H			VANDENDRIES	
ECON	301	INTERMEDIATE MACRO-ECONOMIC THEORY. PREREQUISITE: ECON. 103 OR 108. 3 HOURS OR 1/2 UNIT *ENROLLMENT IN SECTION C RESTRICTED TO STUDENTS WHO HAVE NOT HAD MATH. 134 OR ITS EQUIVALENT.									
	19898	LECT-DISC	*C1	10	M W F	130	COM W			WALLACK	
	19863	LECT-DISC	D	11	M W F	130	COM W			WALLACK	
	19871	LECT-DISC	E	1	M W F	245	COM W			BRYAN	
	19880	LECT-DISC	G	3	M W F	222	D K H			HODGMAN	
ECON	306	HISTORY OF ECONOMIC THOUGHT. PREREQUISITE: ECON. 103, OR 108, SENIOR STANDING. 3 HOURS OR 1/2 UNIT									
	19901	LECT-DISC	G	3	M W F	40	COM W			PHILLIPS	
ECON	312	ECONOMIC DYNAMICS AND GROWTH. PREREQUISITE: ECON. 103, OR 108, AND ECON. 301. 3 HOURS, OR 1/2 OR 1 UNIT									
	19910	LECT-DISC	F	2	M W F	236	COM W			FRANKEL	
ECON	313	ECONOMICS OF CONSUMPTION. SAME AS H. EC. 313. PREREQUISITE: ECON. 102 OR 108, A COURSE IN APPLIED STATISTICS, AND JUNIOR STANDING. 3 HOURS, OR 1/2 OR 1 UNIT									
	19928	LECT-DISC	G	3	M W F	242	BEV HALL			DUNNING	
ECON	315	THE ECONOMICS OF POVERTY AND INCOME MAINTENANCE. SAME AS L. I. R. 315. PREREQUISITE: ECON. 103 OR 108. 3 HOURS, OR 1/2 OR 1 UNIT									
	19936	LECT-DISC	G	3	M W F	236	COM W			STAFF	
ECON	328	INTERNATIONAL ECONOMICS. PREREQUISITE: ECON. 102 AND 103, OR ECON. 108. 3 HOURS, OR 1/2 OR 1 UNIT									
	19944	LECT-DISC	D	11	M W F	125	D K H			BECKETT	
	19952	LECT-DISC	F	2	M W F	305	D K H			YEUNG	
ECON	329	CONTEMPORARY ISSUES IN THE INTERNATIONAL ECONOMY. PREREQUISITE: ECON. 328 OR EQUIVALENT. 3 HOURS, OR 1/2 OR 1 UNIT									
	19961	LECT-DISC	C	10	M W F	11	COM W			PAPPAS	
ECON	335	AMERICAN FINANCIAL HISTORY. PREREQUISITE: FIN. 250. 3 HOURS, OR 1/2 OR 1 UNIT									
	19979	LECT-DISC	D	11	M W F	111	D K H			WESTON	

ECON	337	ECONOMIC HISTORY OF AMERICAN AGRICULTURE. SAME AS AG. EC. AND HIST. 337. PREREQUISITE: A COLLEGE-LEVEL COURSE IN BASIC ECONOMICS OR AMERICAN HISTORY. *GRADUATE STUDENTS TAKING THIS COURSE FOR ONE UNIT CREDIT ARE REQUIRED TO DO EXTRA WORK. *3 HOURS, OR 3/4 OR 1 UNIT	19987	LECT-DISC	L	8-10 9	TU TH	N107 N107	T H T H	GUITHER GUITHER
ECON	341	THE ECONOMICS OF LABOR MARKETS. SAME AS L. I. R. 341. PREREQUISITE: ECON. 103 OR 108. 3 HOURS, OR 1/2 OR 1 UNIT	86560	LECT-DISC	N	10-1130	TU TH	20	COM W	HARTMAN
ECON	345	ECONOMICS OF MANPOWER. SAME AS L. I. R. 345. PREREQUISITE: ECON. 103 OR 108. *GRADUATE CREDIT WILL NOT BE GIVEN FOR BOTH ECON. 345 AND ECON./L. I. R. 444. *3 HOURS, OR 1/2 OR 1 UNIT	19995	LECT-DISC	A	8	M W F	140	COM W	PARRISH
ECON	350	THE DEVELOPING ECONOMIES. PREREQUISITE: ECON. 103 OR 108. *NOT OPEN FOR GRADUATE CREDIT FOR GRADUATE CANDIDATES IN ECONOMICS. *GRADUATE CREDIT WILL NOT BE GIVEN FOR BOTH ECON. 350 AND 450 OR 451. *3 HOURS, OR 1/2 OR 1 UNIT	20003 20011	LECT-DISC LECT-DISC	C F	10 2	M W F M W F	245 125	COM W O K H	CUMMINGS TAIRA
ECON	353	ECONOMIC DEVELOPMENT IN INDIA AND SOUTHEAST ASIA. SAME AS AG. EC. 353. PREREQUISITE: ECON. 103, 108, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	20020	LECT-DISC	B	9	M W F	20	COM W	CUMMINGS
ECON	354	ECONOMIC DEVELOPMENT OF TROPICAL AFRICA. SAME AS AG. EC. 354. PREREQUISITE: ECON. 103 OR 108, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	20038	LECT-DISC	A	8	M W F	20	COM W	QUE
ECON	357	THE SOVIET ECONOMY. PREREQUISITE: ECON. 103 OR 108 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	20046	LECT-DISC	F	2	M W F	130	COM W	HOOGMAN
ECON	358	THE ECONOMY OF CHINA. PREREQUISITE: ECON. 103, 108, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	20054	LECT-DISC	E	1	M W F	126	COM W	SCHRAN
ECON	360	REGIONAL ECONOMIC DEVELOPMENT. PREREQUISITE: ECON. 103 OR 108. *STUDENTS RECEIVING GRADUATE CREDIT FOR ECON. 360 MAY NOT RECEIVE CREDIT FOR ECON. 460 OR 461. *3 HOURS, OR 1/2 OR 1 UNIT	20062	LECT-DISC	C	10	M W F	40	COM W	WILLIAMSON
ECON	368	MATHEMATICAL ECONOMICS, II. PREREQUISITE: MATH. 124 OR 315, MATH. 143, ECON. 300 OR EQUIVALENT. 3 HOURS, OR 1/2 TO 1 UNIT	20071	LECT-DISC	E	1	M W F	6	COM W	TAKAYAMA
ECON	384	ECONOMICS OF TRANSPORTATION. PREREQUISITE: ECON. 103 OR 108. 3 HOURS, OR 1/2 OR 1 UNIT	20089	LECT-DISC	F	2	M W F	94	COM W	HARBESON
ECON	386	CURRENT TRANSPORTATION PROBLEMS. PREREQUISITE: ECON. 384 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	20097	LECT-DISC	B	9	M W F	212	O K H	HARBESON

COURSES FOR GRADUATES

ECON	400	GENERAL ECONOMIC THEORY. PREREQUISITE--ECON. 103 OR 108. 1 UNIT	20101	LECT-DISC L	8-10	TU	245	COM W	ARNOULD
ECON	401	GENERAL ECONOMIC THEORY. PREREQUISITE: ECON. 103 OR 108. 1 UNIT	20119	LECT-DISC N1	10-12	TU	245	COM W	FLANDERS
			20127	LECT-DISC N2	10-12	TH	245	COM W	FLANDERS
ECON	403	ECONOMIC THEORY. PREREQUISITE: ECON. 300-301 OR EQUIVALENT; FOR THE MATHEMATICS SECTION, A KNOWLEDGE OF ALGEBRA AND CALCULUS. 1 UNIT *SECTION G REQUIRES A KNOWLEDGE OF ALGEBRA AND CALCULUS.	20135	LECT-DISC A	8-10	M W	130	COM W	MCMAHON
			20151	LECT-DISC *G	3-5	M W	140	COM W	BREMS
			20143	LECT-DISC N	10-12	TU TH	106	D K H	WELLS
ECON	406	HISTORY OF ECONOMIC THOUGHT. PREREQUISITE: ECON. 300 AND 301 OR EQUIVALENT. 1 UNIT	20160	LECT-DISC F	3-5	F	20	COM W	BRANDIS
ECON	408	PHILOSOPHICAL PROBLEMS IN ECONOMICS. PREREQUISITE: ONE UNIT IN ECONOMIC THEORY OR ONE UNIT IN THE HISTORY OF ECONOMIC THOUGHT. 1 UNIT	20178	LECT-DISC A	8-10	M	11	COM W	STAFF
ECON	411	CAPITAL AND INTEREST THEORY. PREREQUISITE: ECON. 403 OR CONSENT OF INSTRUCTOR. 1 UNIT	20186	LECT-DISC A	8-10	W	11	COM W	SPRENKLE
ECON	415	ECONOMICS OF TAXATION. PREREQUISITE: SIX HOURS OF ECONOMICS. 1 UNIT	20194	LECT-DISC G	3-5	F	140	COM W	DUE
ECON	421	THE THEORY OF MONETARY POLICY. PREREQUISITE: A COURSE IN MONEY AND BANKING, IN MACRO-ECONOMIC THEORY, CALCULUS, AND STATISTICS, OR CONSENT OF INSTRUCTOR. 1 UNIT	20208	LECT-DISC C	10-12	F	20	COM W	SPRENKLE
ECON	425	MACRO-ACCOUNTING. SAME AS ACCY. 455. PREREQUISITE: INTERMEDIATE MACRO-ECONOMIC THEORY OR CONSENT OF INSTRUCTOR. 1 UNIT	20216	LECT-DISC	2-4	TU	240	COM W	
ECON	429	INTERNATIONAL TRADE POLICY. PREREQUISITE: ECON. 300 AND 301, OR EQUIVALENT. 1 UNIT	20224	LECT-DISC C	10-12	W	20	COM W	GILLESPIE
ECON	436	AMERICAN ECONOMIC HISTORY. NOT OPEN TO STUDENTS WHO HAVE HAD ECON. 236. 1 UNIT	20232	LECT-DISC L	8-10	TU TH	111	D K H	KEMMERER
ECON	438	ECONOMIC HISTORY OF EUROPE. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	20241	LECT-DISC A	8-10	W	126	COM W	NEAL

ECON	441	LABOR ECONOMICS. SAME AS L. I. R. 441. PREREQUISITE: ECON. 300 AND 301. 1 UNIT	20259	LECT-DISC	R	1-3	TH	20	COM W	HARTMAN
ECON	442	COLLECTIVE BARGAINING. SAME AS L. I. R. 442. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	20267	LECT-DISC		3-5	M	43	L I R	GERHART
ECON	443	PROBLEMS AND PRACTICES OF LABOR DISPUTE SETTLEMENT. SAME AS L. I. R. 443. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	20275	LECT-DISC		10-12	M	43	L I R	WAGNER
ECON	451	THE DEVELOPING ECONOMIES. PREREQUISITE: ECON. 450. 1 UNIT	20283	LECT-DISC	R	1-3	TU	130	COM W	AYAL
ECON	457	ECONOMIC PLANNING IN THE SOVIET UNION AND EASTERN EUROPE. PREREQUISITE: ONE OF ECON. 357, 450 OR 455 OR A READING KNOWLEDGE OF RUSSIAN. 1 UNIT	20291	LECT-DISC	T	3-5	TU	11	COM W	MILLAR
ECON	461	URBAN AND REGIONAL ECONOMIC DEVELOPMENT. PREREQUISITE: ECON. 300 AND 301. *STUDENTS RECEIVING CREDIT FOR ECON. 461 MAY NOT RECEIVE GRADUATE CREDIT FOR ECON. 360. *1 UNIT	20305	LECT-DISC	G	3-5	F	11	COM W	NOURSE
ECON	468	MATHEMATICAL ECONOMICS, II: DYNAMICS. PREREQUISITE: MATH. 315; ECON. 402-403; OR EQUIVALENT. 1 UNIT	20313	LECT-DISC	E	1-3	F	222	O K H	BREMS
ECON	470	ECONOMIC STATISTICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	20321	LECT-DISC	G	3-5	M W	125	O K H	STEINKAMP
ECON	471	ECONOMIC STATISTICS. PREREQUISITE: ECON. 470 OR EQUIVALENT. 1 UNIT	20330	LECT-DISC	N	10-12	TU TH	140	COM W	RESEK
ECON	477	ECONOMETRICS, II. PREREQUISITE: ECON. 476. 1 UNIT	20348	LECT-DISC	E	1-3	M W	222	O K H	YANCEY
ECON	481	INDUSTRIAL ORGANIZATION AND PUBLIC POLICY. PREREQUISITE: ECON. 480. 1 UNIT	20356	LECT-DISC	A	8-10	M	126	COM W	ARNOULD
ECON	485	ECONOMICS OF TRANSPORTATION. 1 UNIT	20364	LECT-DISC	L	8-10	TH	11	COM W	WILSON
ECON	490	INDIVIDUAL STUDY AND RESEARCH. 1/2 TO 1 UNIT 20372		CONF		ARR				STAFF

ECON 499 THESIS RESEARCH.
 0 TO 4 UNITS
 *SECTION 1 IS EXCLUSIVELY FOR MASTERS CANDIDATES AND
 SECTION 2 IS EXCLUSIVELY FOR PH. D. CANDIDATES.
 20381 CONF *2 3-5 TH 245 COM W DUE
 20399 CONF *1 10-12 M 20 COM W FLANDERS

EDUCATION

DEPARTMENT OFFICE

110 EDUCATION

COURSES FOR UNDERGRADUATES

EDUC 101 EDUCATION PRACTICUM.
 PREREQUISITE: EDUC. 100 OR CONSENT OF INSTRUCTOR.
 4 HOURS
 20402 LECT-DISC A 9-11 TU TH 166 EDUC
 20411 LECT-DISC B 9-11 TU TH 121 L H
 20429 LECT-DISC C 9-11 TU TH 221 G H
 20437 LECT-DISC D 9-11 TU TH 119 E B

EDUC 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 20445 CONF ARR

EDUCATION ADMINISTRATION

DEPARTMENT OFFICE

EDUCATION BUILDING

COURSES FOR GRADUATES

ED AD 430 ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION.
 INTENDED PRIMARILY FOR CANDIDATES FOR THE MASTERS DEGREE.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 20453 LECT-DISC 7-9PM TU 385 EDUC WESTON

ED AD 438 INSTRUCTIONAL SUPERVISION.
 PREREQUISITE: EL. ED. OR SE. ED. 439 AND ED. AD. 460.
 1 UNIT
 20461 LECT-DISC 7-9PM M 385 EDUC SERGIOVANNI

ED AD 440 ADMINISTRATION AND SUPERVISION OF JUNIOR AND SENIOR HIGH
 SCHOOLS.
 INTENDED PRIMARILY FOR CANDIDATES FOR THE MASTERS DEGREE.
 PREREQUISITE: ED. AD. 460 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 20470 LECT-DISC 7-9PM M 382 EDUC RAUBINGER

ED AD 449 INDEPENDENT STUDY.
 PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE
 DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.
 *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
 *1/2 OR 1 UNIT
 20488 CONF ARR

ED AD 460 PUBLIC CONTROL AND ADMINISTRATION OF EDUCATION.
 NOT OPEN TO EXPERIENCED ADMINISTRATORS OR TO ANY STUDENTS WHO HAVE
 TAKEN ANY OF THE FOLLOWING COURSES (OR EQUIVALENT): ED. AD. 430,
 440, 461, 462, 464, 465, 466.
 1 UNIT
 20496 LECT-DISC 7-9PM W 192 EDUC RAUBINGER

ED AD 462	ORGANIZATION AND BUSINESS ADMINISTRATION OF PUBLIC EDUCATION.					
	PREREQUISITE: ED. AD. 460, 430 OR 440, AND 461.					
	1 UNIT					
20500	LECT-DISC	4-7	TH	6	CDM W	BURNHAM
ED AD 463	THE ROLE OF ADMINISTRATIVE LEADERSHIP.					
	PREREQUISITE: ED. AD. 461 AND EDPY. 413.					
	1 UNIT					
20518	LECT-DISC	5-9	TU	389	EDUC	MILLER AND CARVER
ED AD 464	FIELD PROBLEMS IN EDUCATIONAL ADMINISTRATION.					
	PREREQUISITE: CONSENT OF INSTRUCTOR.					
	1 UNIT					
	*SECTION H OPEN TO STUDENTS IN SPECIAL EDUCATION ONLY.					
	*SECTION I OPEN TO STUDENTS IN HIGHER EDUCATION.					
20526	LECT-DISC *H	ARR		210	EDUC	HENDERSON
20534	LECT-DISC *I	ARR				
ED AD 468	SCHOOL-COMMUNITY RELATIONS.					
	1 UNIT					
20542	LECT-DISC	7-9PM	TU	382	EDUC	SUMPTION
ED AD 469	LEGAL BASIS OF SCHOOL ADMINISTRATION.					
	1 UNIT					
20551	LECT-DISC	7-9PM	W	382	EDUC	SUMPTION
ED AD 490	SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.					
	OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED. D.					
	1 TO 2 UNITS					
20569	CONF	ARR				
ED AD 491	FIELD STUDY AND THESIS SEMINAR.					
	LIMITED TO ED.D. CANDIDATES.					
	1 TO 2 UNITS					
20577	CONF	ARR				
ED AD 499	THESIS RESEARCH.					
	0 TO 4 UNITS					
20585	CONF	ARR				

EDUCATIONAL PRACTICE

DEPARTMENT OFFICE

EDUCATION BUILDING

ADMISSION TO EDUCATIONAL PRACTICE (STUDENT TEACHING): ADMISSION TO STUDENT TEACHING IS LIMITED TO THOSE STUDENTS, UNDERGRADUATE OR GRADUATE WHO HAVE BEEN ADMITTED TO ADVANCED STANDING IN A TEACHER EDUCATION CURRICULUM AND WHO ARE ENROLLED IN PROGRAMS APPROVED BY THE URBANA-CHAMPAIGN COUNCIL ON TEACHER EDUCATION. APPROXIMATELY ONE YEAR PRIOR TO THE SCHOOL YEAR IN WHICH THEY CAN BE EXPECTED TO ENROLL IN AN EDUCATIONAL PRACTICE COURSE, ELIGIBLE STUDENTS WILL HAVE MAILED TO THEM AN INVITATION TO APPLY FOR A TENTATIVE STUDENT TEACHING ASSIGNMENT IN THE PUBLIC SCHOOLS. THESE APPLICATIONS MUST BE COMPLETED AND PROCESSED PROMPTLY THROUGH THE APPROPRIATE OFFICE OF STUDENT TEACHING. STUDENTS WHOSE APPLICATIONS ARE APPROVED WILL ENROLL FOR THE FOLLOWING SCHOOL YEAR. CANDIDATES FOR UNIVERSITY OF ILLINOIS TEACHER-EDUCATION DEGREES MUST COMPLETE EDUCATIONAL PRACTICE AT THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN. EDUCATIONAL PRACTICE IS A PART OF THE PROFESSIONAL SEMESTER AND IS GENERALLY TAKEN DURING EITHER THE FALL OR SPRING SEMESTER OF THE DEGREE CANDIDATE'S SENIOR YEAR.

EDUCATIONAL PRACTICE IS UNDER THE GENERAL SUPERVISION OF THE ILLINOIS TEACHING EXPERIENCES LABORATORY. HOWEVER, THE FOLLOWING SEPARATE OFFICES OF STUDENT TEACHING HAVE DEVELOPED SPECIFIC REQUIREMENTS FOR THEIR STUDENTS:

SECONDARY EDUCATION--CANDIDATES ENROLL IN THE APPROPRIATE SECTION OF ED. PR. 242. PHYS. ED. WOMEN ALSO ENROLL IN ED. PR. 238, SECTION D. MUSIC CANDIDATES ALSO ENROLL IN ED. PR. 238, SECTION V. SPEECH CORRECTION CANDIDATES ENROLL IN ED. PR. 220, SECTION B. STUDENTS WISHING TO ENROLL IN THE LIBRARY SCIENCE SECTION OF ED. PR. 242 AS WELL AS IN THEIR TEACHING MAJOR MUST FILE APPLICATIONS WITH THE HEAD SUPERVISOR OF EACH FIELD.

ELEMENTARY EDUCATION--CANDIDATES ENROLL IN ED. PR. 232.

SECTION A.

SPECIAL EDUCATION--CANDIDATES ENROLL IN THE APPROPRIATE SECTION OF ED. PR. 220. CANDIDATES PURSUING A DEGREE IN THE EDUCATION OF EDUCABLE MENTALLY HANDICAPPED MUST ENROLL IN ED. PR. 220, SECTION C AND IN ED. PR. 232, SECTION B. VOCATIONAL AND TECHNICAL EDUCATION--CANDIDATES ENROLL IN THE APPROPRIATE SECTION OF ED. PR. 242 EXCEPT AGRICULTURAL EDUCATION DEGREE CANDIDATES WHO ENROLL IN VOTEC. 276.

COURSES FOR UNDERGRADUATES

ED PR 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

20593

CONF

ARR

COURSES FOR ADVANCED UNDERGRADUATES

ED PR 220 EDUCATIONAL PRACTICE IN THE EDUCATION OF EXCEPTIONAL CHILDREN.

PREREQUISITE: SENIOR STANDING, CONSENT OF DEPARTMENT.

2 TO 5 HOURS

*SECTION A--MENTALLY RETARDED, REQUIRES REGISTRATION IN SP. ED. 323. 3 HOURS.

*SECTION B--SPEECH CORRECTION. STUDENTS WHO HAVE NOT COMPLETED SP. ED. 324 MUST ENROLL IN IT DURING THEIR STUDENT-TEACHING SEMESTER. 5 HOURS.

*SECTION C--MENTALLY RETARDED. 5 HOURS.

*SECTION D1--DEAF AND HARD OF HEARING, REQUIRES REGISTRATION IN SP. ED. 320. 4 HOURS.

*SECTION D2--DEAF AND HARD OF HEARING, REQUIRES REGISTRATION IN SP. ED. 320. 5 HOURS.

20607 PRACT *A ARR

20615 PRACT *B ARR

20623 PRACT *C ARR

20631 PRACT *D1 ARR

20640 PRACT *D2 ARR

ED PR 232 EDUCATIONAL PRACTICE IN ELEMENTARY EDUCATION.

PREREQUISITE: EL. ED. 233, EL. ED. 237, AND SENIOR STANDING.

2 TO 5 HOURS

*SECTION A IS FOR STUDENTS IN GENERAL ELEMENTARY CURRICULUM. 5 HOURS

*SECTION B IS FOR STUDENTS IN EXCEPTIONAL CHILDREN CURRICULA. 3 HOURS.

MUST BE TAKEN CONCURRENTLY WITH EL. ED. 230.

20658 PRACT *A ARR

20666 PRACT *B ARR

ED PR 238 EDUCATIONAL PRACTICE FOR SPECIAL FIELDS IN ELEMENTARY SCHOOLS.

PREREQUISITE: FOR STUDENTS IN THE EARLY CHILDHOOD CURRICULUM,

EL. ED. 334 IS REQUIRED; CONSENT OF INSTRUCTOR.

3 OR 4 HOURS

3 HOURS

A P.E. FOR MEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A AND ED. PR. 242, SECTION A.

3 OR 4 HOURS

D P.E. FOR WOMEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION D AND ED. PR. 242, SECTION D.

3 HOURS

V MUSIC, REQUIRES REGISTRATION IN SE. ED. 241, SECTION V, AND ED. PR. 242, SECTION V.

3 HOURS

Y LIBRARY SCIENCE, REQUIRES REGISTRATION IN SE. ED. 241, AND ED. PR. 242, SECTION 4, OR EL. ED. 333 AND ED. PR. 232.

20674 PRACT A ARR

20682 PRACT D ARR

20691 PRACT V ARR

20704 PRACT Y ARR

ED PR 242 EDUCATIONAL PRACTICE IN SECONDARY EDUCATION.

PREREQUISITE: SE. ED. 240 AND SENIOR STANDING.

2 TO 5 HOURS

2 OR 5 HOURS

A P.E. FOR MEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A.

2 OR 5 HOURS

C HEALTH EDUCATION, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A.

3 OR 5 HOURS

D P. E. FOR WOMEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION D.

3 OR 5 HOURS

E EDUCATIONAL MEDIA, REQUIRES REGISTRATION IN SE. ED. 241.

3 OR 5 HOURS

F BIOLOGY, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS F1 OR F2.

3 OR 5 HOURS

G CHEMISTRY, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS F1 OR F2.

3 OR 5 HOURS

H GENERAL SCIENCE, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS F1 OR F2.

3 OR 5 HOURS

I PHYSICS, REQUIRES REGISTRATION IN SE. ED. 241 SECTIONS F1 OR F2.

3 OR 5 HOURS

J SOCIAL STUDIES, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS J1, J2, OR J3.

3 OR 5 HOURS

K ART, REQUIRES REGISTRATION IN SE. ED. 241. SECTION K.

3 OR 5 HOURS

L ENGLISH, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS L1, L2, L3, L4, L5 OR L6.

3 OR 5 HOURS

M SPEECH, REQUIRES REGISTRATION IN SE. ED. 247.

3 OR 5 HOURS

N FRENCH, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS N1, N2, OR N3.

3 OR 5 HOURS

D LATIN, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS N1, N2, OR N3.

3 OR 5 HOURS

P SPANISH, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS N1, N2, OR N3.

3 OR 5 HOURS

Q GERMAN, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS N1, N2, OR N3.

5 HOURS

R HOME ECONOMICS, REQUIRES REGISTRATION IN SE. ED. 241, HOME ECONOMICS SECTION R.

3 HOURS

S INDUSTRIAL EDUCATION, REQUIRES REGISTRATION IN SE. ED. 241, INDUSTRIAL EDUCATION SECTION S.

3 OR 5 HOURS

T MATH, REQUIRES REGISTRATION IN SE. ED. 241, SECTION T.

3 HOURS

V MUSIC, REQUIRES REGISTRATION IN SE. ED. 241, SECTION V.

3 OR 5 HOURS

X RUSSIAN, REQUIRES REGISTRATION IN SE. ED. 241, SECTIONS N1, N2, OR N3.

3 OR 5 HOURS

Y LIBRARY SCIENCE, REQUIRES REGISTRATION IN SE. ED. 241.

5 HOURS

OD DANCE, REQUIRES REGISTRATION IN SE. ED. 241, SECTION DO.

20712	PRACT	A	ARR
20721	PRACT	C	ARR
20739	PRACT	D	ARR
20747	PRACT	E	ARR
20755	PRACT	F	ARR
20763	PRACT	G	ARR
20771	PRACT	H	ARR
20780	PRACT	I	ARR
20798	PRACT	J	ARR
20801	PRACT	K	ARR
20810	PRACT	L	ARR
20828	PRACT	M	ARR
20836	PRACT	N	ARR
20844	PRACT	O	ARR
20852	PRACT	P	ARR
20861	PRACT	Q	ARR
20879	PRACT	R	ARR
20887	PRACT	S	ARR
20895	PRACT	T	ARR
20909	PRACT	V	ARR
20917	PRACT	X	ARR
20925	PRACT	Y	ARR
20933	PRACT	OD	ARR

EDUCATIONAL PSYCHOLOGY

DEPARTMENT OFFICE

EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

EDPSY 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

20941 CONF

ARR

COURSES FOR ADVANCED UNDERGRADUATES

EDPSY 211 EDUCATIONAL PSYCHOLOGY.

PREREQUISITE: PSYCH. 100.

3 HOURS

*OPEN ONLY TO STUDENTS REGISTERED FOR STUDENT TEACHING. SECTIONS WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

EG HONORS SECTION--FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED CLASS OR UNIVERSITY HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF THE INSTRUCTOR.

STUDENTS ENROLLED IN SECTION A MUST ALSO BE CONCURRENTLY ENROLLED IN SECTION 16 OF HP. EO. 201. THE CONTENT OF THE TWO COURSES WILL BE COORDINATED SO THAT STUDENTS WILL UNDERSTAND THE RELATIONSHIP BETWEEN PSYCHOLOGICAL PRINCIPLES AND THE FOUNDATIONS OF AMERICAN SECONDARY EDUCATION.

21106	LECT-DISC A	9-12	TU	330	ARMORY
21017	LECT-DISC *A1	8	MTWTHF	162	EDUC
20950	LECT-DISC B	9	M W F	166	EDUC
21025	LECT-DISC *B1	9	MTWTHF	162	EDUC
21033	LECT-DISC *B2	9	MTWTHF	317A	D K H
20968	LECT-DISC C	10	M W F	143	ARMORY
21041	LECT-DISC *C1	10	MTWTHF	328	D K H
21050	LECT-DISC *C2	10	MTWTHF	162	EDUC
20976	LECT-DISC D	11	M W F	143	ARMORY
20984	LECT-DISC D1	11	M W F	166	EDUC
21068	LECT-DISC *D2	11	MTWTHF	162	EDUC
21076	LECT-DISC *X	12	MTWTHF	162	EDUC
20992	LECT-DISC E	1	M W F	143	ARMORY
21084	LECT-DISC *E1	1	MTWTHF	36	CDM W
21009	LECT-DISC F	2	M W F	143	ARMORY
21092	LECT-DISC *G	3	M W F	162	EDUC

EDPSY 236 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS.

PREREQUISITE: PSYCH. 100.

3 HOURS

21114	LECT-DISC A	8	M W F	143	ARMORY
21122	LECT-DISC B	9	M W F	143	ARMORY
21131	LECT-DISC C	10	M W F	25	EDUC
21149	LECT-DISC D	11	M W F	1	EDUC
21157	LECT-DISC X	12	M W F	192	EDUC
21165	LECT-DISC E	1	M W F	15	D K H
21173	LECT-DISC F	2	M W F	15	D K H

EDPSY 249 INDEPENDENT STUDY.

PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.

2 HOURS

21181 CONF ARR

EDPSY 291 THESIS.

PREREQUISITE: SENIOR STANDING

2 HOURS

21190 CONF ARR

EDPSY 292 THESIS.

PREREQUISITE: SENIOR STANDING.

2 HOURS

21203 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

EDPSY 311 PSYCHOLOGY OF LEARNING FOR TEACHERS.

PREREQUISITE: PRACTICE TEACHING OR TEACHING EXPERIENCE,

AND ED. PSY. 211.

2 HOURS OR 1/2 UNIT

*REGISTRATION IN THIS SECTION REQUIRES DEPARTMENTAL SIGNATURE,
ROOM 333 EDUCATION BUILDING. SECTION F IS RECOMMENDED FOR STUDENTS
IN CROSS-CULTURAL INTERNATIONAL EDUCATION.

21211	LECT-DISC A	1-3	M	166	EDUC	BLAIR
21271	LECT-DISC *B	4-6	TU	162	EDUC	MENGES
21220	LECT-DISC B1	7-9PM	TU	166	EDUC	
21238	LECT-DISC C	1-3	W	1	EDUC	SIMPSON
21246	LECT-DISC D	4-6	W	2	EDUC	
21254	LECT-DISC E	7-9PM	TH	162	EDUC	
21289	LECT-DISC F	1-3	TU	192	EDUC	MAEHR
21262	LECT-DISC S	9-11	S	162	EDUC	JONES

EDPSY 312 MENTAL HYGIENE AND THE SCHOOL.

PREREQUISITE: PRACTICE TEACHING OR TEACHING EXPERIENCE,

AND ED. PSY. 211.

2 HOURS OR 1/2 UNIT

*FOR STUDENTS IN FOLLOW-THROUGH PROJECT.

21297	LECT-DISC A	4-6	M	192	EDUC	SHOEMAKER
21301	LECT-DISC A1	7-9PM	M	1	EDUC	
21319	LECT-DISC B	1-3	TU	2	EDUC	SHOEMAKER
21327	LECT-DISC C	7-9PM	W	2	EDUC	
21335	LECT-DISC D	1-3	TH	192	EDUC	
21343	LECT-DISC D1	4-6	TH	1	EDUC	
21360	LECT-DISC *F	ARR				BECKER
21351	LECT-DISC S	11-1	S	192	EDUC	

EDPSY 339 CORRECTIVE READING.

SAME AS EL. ED. 339.

PREREQUISITE: EL. ED. 336 OR 338.

3 HOURS OR 1 UNIT

MUST REGISTER IN ADVANCE WITH READING CLINIC DIRECTOR.

21378	LECT-DISC U	4-6	TU	10	EDUC	
21386	LECT-DISC H	4-6	W	10	EDUC	

EDPSY 343 INDIVIDUAL INTELLIGENCE TESTING.

PREREQUISITE: CONSENT OF INSTRUCTOR AND SIX HOURS OF PSYCHOLOGY

AND SP. ED. 324, OR EDPSY. 392 OR PSYCH. 390.

3 HOURS OR 1 UNIT

*LABORATORY HOURS TO BE ARRANGED.

21394	LECT-DISC A	*8-10	M W	125	E P G B	NEWLAND
21408	LECT-DISC B	*4-6	TU TH	125	E P G B	MCGUIRE

EDPSY 390 ELEMENTS OF EDUCATIONAL STATISTICS.

3 HOURS OR 1 UNIT

21416	LECT-DISC A	1-3	M W	242	EDUC	CHADBDURN
21424	LECT-DISC B	4-6	TU TH	242	EDUC	
86578	LECT-DISC C	4-6	M W	242	EDUC	

EDPSY 391 CONSTRUCTION AND USE OF TESTS IN TEACHING.

PREREQUISITE: ED. PSY. 211 OR 236.

4 HOURS OR 1 UNIT

21432	LECT-DISC	4-6	TU	385	EDUC	GRONLUND
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EDPSY 392 INTRODUCTION TO THE PRINCIPLES OF MEASUREMENT.

PREREQUISITE: ED. PSY. 211 OR 236.

4 HOURS OR 1 UNIT

*FOR STUDENTS IN COUNSELING.

21441	LECT-DISC A	1-3	W	166	EDUC	GRONLUND
21459	LECT-DISC *B	1-3	M W	33	EDUC	KACZKOWSKI

COURSES FOR GRADUATES

EDPSY 411 PSYCHOLOGY OF ADOLESCENCE FOR TEACHERS.

PREREQUISITE: ED. PSY. 311 AND 312.

1 UNIT

*FOR STUDENTS IN HIGHER EDUCATION.

21467	LECT-DISC A	4-6	W	192	EDUC	BLAIR
21475	LECT-DISC B	1-3	TH	166	EDUC	
21483	LECT-DISC *C	7-9PM	W	162	EDUC	WILLNER

EDPSY 449 INDEPENDENT STUDY.

PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.

*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.

*1/2 OR 1 UNIT

21670	CONF	A	ARR					ALEAMONI
21688	CONF	A1	ARR					R. ANDERSON
21696	CONF	B	ARR					BECKER
86586	CONF	B1	ARR					BLAIR
86594	CONF	C	ARR					CHAD8DURN
21700	CONF	C1	ARR					COHEN
21718	CONF	D	ARR					J. DANIELS
21726	CONF	D1	ARR					DELANEY
21734	CONF	D2	ARR					DENNY
21742	CONF	G	ARR					GOULET
21751	CONF	G1	ARR					GRONLUND
21769	CONF	H	ARR					HASTINGS
21777	CONF	I	ARR					ISAACS
21785	CONF	J	ARR					R. JONES
21793	CONF	K	ARR					KACZKOWSKI
21807	CONF	L	ARR					LONG
21815	CONF	M	ARR					MAEHR
21823	CONF	M1	ARR					MASUCCI
21831	CONF	M2	ARR					O. MC GUIRE
21840	CONF	M3	ARR					MENGES
21858	CONF	M4	ARR					MOSES
21866	CONF	N	ARR					NEWLAND
21874	CONF	P	ARR					PATTERSON
21882	CONF	P1	ARR					PANCRAZIO
21891	CONF	P2	ARR					D. PHILLIPS
21904	CONF	P3	ARR					J. PHILLIPS
21912	CONF	S	ARR					SHOEMAKER
21921	CONF	S1	ARR					R. SIMPSON
21939	CONF	S2	ARR					SPENCER
21947	CONF	S3	ARR					STAKE
21955	CONF	S4	ARR					STALLINGS
21963	CONF	T	ARR					TATSUOKA
21971	CONF	W	ARR					WARDROP
21980	CONF	W1	ARR					WEST
21998	CONF	W2	ARR					ZACCARIA
22004	CONF	W3	ARR					STAFF
22012	CONF	X	ARR					MED STAFF

EDPSY 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.

OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.

0 TO 2 UNITS

*SECTION A TOPIC: COUNSELING THEORY.

*SECTION D TOPIC: COUNSELING THEORY.

*SECTION E TOPIC: GROUP COUNSELING.

*SECTION F TOPIC: GROUP COUNSELING.

22021	LECT-DISC	*A	ARR					PATTERSON
22039	LECT-DISC	B	ARR					MAEHR
22047	LECT-DISC	C	10-12	TH	242	EDUC		SPENCER
22055	LECT-DISC	*D	ARR					PATTERSON
22063	LECT-DISC	*E	ARR					MASUCCI
22071	LECT-DISC	*F	ARR					
22080	LECT-DISC	G	ARR					

EDPSY 491 FIELD STUDY AND THESIS SEMINAR.

LIMITED TO ED.D. CANDIDATES.

1 TO 2 UNITS

22098	LECT-DISC	ARR						STAFF
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EDPSY 492 PSYCHOLOGY OF LEARNING AND INSTRUCTION.

SAME AS PSYCH. 492.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1 UNIT

22101	LECT-DISC	10-12	TU	8	L	H		ANDERSON
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EDPSY 494 MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION.

SAME AS PSYCH. AND SOC. 494.

PREREQUISITE: ED. PSY. 496 OR PSYCH. 307, CONSENT OF INSTRUCTOR.

1 UNIT

22110	LECT	2-4	TH	508	PSYCH LAB			TUCKER
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EOPSY 495 THEORY OF MEASUREMENT.
 SAME AS PSYCH. 495.
 PREREQUISITE: ED. PSY. 496 OR PSYCH. 307, OR EQUIVALENT
 ED. PSY. 392 OR PSYCH. 390 OR EQUIVALENT.
 1 UNIT
 22128 LECT-DISC 3-5 W 166 EDUC WAROROP

EOPSY 496 STATISTICAL METHODS IN EDUCATION.
 PREREQUISITE: ED. PSY. 390.
 1 UNIT
 *LABORATORY HOURS TO BE ARRANGED.
 22136 LECT-DISC A *1-3 M W 162 EDUC
 22144 LECT-DISC B *2-4 TU TH 389 EDUC TATSUOKA

EOPSY 499 THESIS RESEARCH.
 0 TO 4 UNITS

22152	CONF	A	ARR				ALEAMONI
22179	CONF	A1	ARR				R. ANDERSON
22187	CONF	B	ARR				BECKER
22195	CONF	B1	ARR				BLAIR
22209	CONF	C	ARR				CHADBOURN
22217	CONF	C1	ARR				COHEN
22225	CONF	D	ARR				J. DANIELS
22233	CONF	D1	ARR				DELANEY
22241	CONF	D2	ARR				DENNY
22250	CONF	G	ARR				GOULET
22268	CONF	G1	ARR				GRONLUND
22276	CONF	H	ARR				HASTINGS
22284	CONF	I	ARR				ISAACS
22292	CONF	J	ARR				R. JONES
22306	CONF	K	ARR				KACZKOWSKI
22314	CONF	L	ARR				LONG
22322	CONF	M	ARR				MAEHR
22331	CONF	M1	ARR				MASUCCI
22349	CONF	M2	ARR				O. MCGUIRE
22357	CONF	M3	ARR				MOSES
22365	CONF	N	ARR				NEHLAND
22373	CONF	P	ARR				PATTERSON
22381	CONF	P1	ARR				D. PHILLIPS
22390	CONF	P2	ARR				J. PHILLIPS
22403	CONF	S	ARR				SHOEMAKER
22411	CONF	S1	ARR				R. SIMPSON
22420	CONF	S2	ARR				SPENCER
22438	CONF	S3	ARR				STAKE
22446	CONF	S4	ARR				STALLINGS
22454	CONF	T	ARR				TATSUOKA
22462	CONF	W	ARR				WARDROP
22471	CONF	W1	ARR				WEST
22489	CONF	W2	ARR				ZACCARIA
22497	CONF	W3	ARR				STAFF
22501	CONF	X	ARR				MED STAFF

ELECTRICAL ENGINEERING

DEPARTMENT OFFICE 155 E E B

COURSES FOR UNDERGRADUATES

E E 114 WIRING AND ILLUMINATION.
 PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
 *ENGINEERING STUDENTS RECEIVE NO CREDIT.
 *3 HOURS
 22519 LECT C 10 M W F 151 E E B

E E 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 SECTION T IS ZETETICS OFFERED FOR 2 OR 3 HOURS CREDIT AND MAY
 NOT BE REPEATED.
 22527 LECT T 7PM TU TH 269 E E B

COURSES FOR ADVANCED UNDERGRADUATES

E E 220 BASIC ELECTRICAL ENGINEERING.
 PREREQUISITE: PHYS. 106 AND 107, AND MATH 143.
 *CREDIT IS NOT GIVEN FOR BOTH E. E. 220 AND 260. ELECTRICAL
 ENGINEERING STUDENTS RECEIVE NO CREDIT.

*3 HOURS

22535	DISC	A1	8	M	W	F	59	E	E	B
22543	DISC	B1	9	M	W	F	59	E	E	B
22551	DISC	X1	12	M	W	F	57	E	E	B
22560	DISC	X2	12	M	W	F	59	E	E	B
22578	DISC	G1	3	M	W	F	57	E	E	B
22586	DISC	G2	3	M	W	F	59	E	E	B
22594	DISC	H1	4	M	W	F	59	E	E	B

E E 229 INTRODUCTION TO ELECTROMAGNETIC FIELDS.
 PREREQUISITE: PHYS. 107 AND MATH. 345.

3 HOURS

*SECTION 6D IS AN HONORS SECTION.

22608	DISC	A1	8	M	W	F	254	E	E	B
22616	DISC	B1	9	M	W	F	169	E	E	B
22624	DISC	C1	10	M	W	F	170	E	E	B
22632	DISC	D1	11	M	W	F	269	E	E	B
22659	DISC	*6D	8	M	W	F	57	E	E	B
22641	DISC	G1	3	M	W	F	254	E	E	B

KLOCK

E E 230 APPLICATION AND CONTROL OF MOTORS AND EQUIPMENT.
 PREREQUISITE: E. E. 220.

*ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.

*2 HOURS

22667	DISC	A1	8	TU	TH		57	E	E	B
22675	DISC	E1	1	TU	TH		169	E	E	B
22683	DISC	E2	1	TU	TH		57	E	E	B

E E 231 POWER EQUIPMENT LABORATORY.

PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 230.

*ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.

*1 HOUR

22691	LAB	M	9-12	TU			50E	E	E	B
22705	LAB	N	12-3	TU			50E	E	E	B
22713	LAB	P	9-12		TH		50E	E	E	B
22721	LAB	Q	12-3		TH		50E	E	E	B

E E 232 ELECTRONICS AND ELECTRONICS APPLICATIONS.

PREREQUISITE: E. E. 220.

*ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.

*2 HOURS

22730	DISC	A1	8	TU	TH		59	E	E	B
22748	DISC	E1	1	TU	TH		161	E	E	B
22756	DISC	E2	1	TU	TH		59	E	E	B
22764	DISC	G1	3	TU	TH		59	E	E	B

E E 233 ELECTRONICS LABORATORY.

PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 232.

*ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.

*1 HOUR

22772	LAB	M	9-12	TU			236	E	E	B
22781	LAB	N	12-3	TU			236	E	E	B
22799	LAB	O	3-6	TU			236	E	E	B
22802	LAB	P	9-12		TH		236	E	E	B
22811	LAB	Q	12-3		TH		236	E	E	B
22829	LAB	R	3-6		TH		236	E	E	B

E E 234 ELECTRICAL INSTRUMENTS AND MEASUREMENTS.

PREREQUISITE: E. E. 220.

*ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.

*2 HOURS

22837	DISC	A1	8	TU	TH		257	E	E	B
22845	DISC	A2	8	TU	TH		169	E	E	B
22853	DISC	E1	1	TU	TH		260	E	E	B
22861	DISC	G1	3	TU	TH		57	E	E	B

E E 235 ELECTRICAL MEASUREMENT LABORATORY.
 PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 234.
 *ELECTRICAL ENGINEERING STUDENTS RECEIVE NO CREDIT.
 *1 HOUR

22870	LAB	M	9-12	TU	137	E E B
22888	LAB	N	12-3	TU	137	E E B
22896	LAB	O	3-6	TU	137	E E B
22900	LAB	P	9-12	TH	137	E E B
22918	LAB	Q	12-3	TH	137	E E B

E E 246 PROJECT LABORATORY.
 PREREQUISITE: SENIOR STANDING IN ELECTRICAL ENGINEERING AND
 CONSENT OF INSTRUCTOR.
 2 TO 4 HOURS

22926	CONF	K	ARR
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E E 251 ELECTRICAL ENGINEERING LABORATORY, I.
 PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 220 OR 260.
 1 HOUR

STUDENTS MUST REGISTER IN ONE LECTURE AND IN ANY ONE LAB.

22934	LECT	A	8	TU	151	E E B
22942	LAB	N	10-12	TU	50H	E E B
22951	LAB	O	12-2	TU	50H	E E B
22969	LAB	P	2-4	TU	50H	E E B
22977	LAB	Q	4-6	TU	50H	E E B
22985	LAB	R	4-6	W	50H	E E B
22993	LAB	S	8-10	TH	50H	E E B
23000	LAB	T	10-12	TH	50H	E E B
23018	LAB	U	12-2	TH	50H	E E B
23026	LAB	V	2-4	TH	50H	E E B
23034	LAB	W	4-6	TH	50H	E E B
23042	LAB	X	4-6	F	50H	E E B
23051	LAB	Y	8-10	S	50H	E E B
23069	LAB	Z	10-12	S	50H	E E B

E E 260 NETWORKS, I.
 PREREQUISITE: PHYS. 107; CREDIT OR REGISTRATION IN C. S. 101,
 E. E. 251, AND MATH. 345.
 *CREDIT IS NOT GIVEN FOR BOTH E. E. 220 AND 260.
 *3 HOURS

*SECTION &C IS AN HONORS SECTION.

23077	DISC	B1	9	M W F	170	E E B
23158	DISC	*&C	10	M W F	59	E E B
23085	DISC	D1	11	M W F	170	E E B
23093	DISC	D2	11	M W F	169	E E B
23107	DISC	X1	12	M W F	170	E E B
23115	DISC	E1	1	M W F	170	E E B
23123	DISC	F1	2	M W F	170	E E B
23131	DISC	G1	3	M W F	170	E E B
23140	DISC	H1	4	M W F	170	E E B

GORDON

E E 262 NETWORKS, II.
 PREREQUISITE: E. E. 260, MATH. 345, AND C. S. 101.
 3 HOURS

23166	DISC	A1	8	M W F	170	E E B
23174	DISC	B1	9	M W F	136	E E B
23182	DISC	C1	10	M W F	161	E E B
23191	DISC	E1	1	M W F	161	E E B
23204	DISC	G1	3	M W F	161	E E B
23212	DISC	G2	12	M W F	161	E E B
23221	DISC	E2	1	M W F	162	E E B
23239	DISC	F1	2	M W F	269	E E B

E E 271 ELECTRICAL ENGINEERING PROBLEMS.
 PREREQUISITE: APPROVED WRITTEN APPLICATION TO DEPARTMENT.
 1 TO 4 HOURS

23247	DISC	B1	1	M W	102	S H
23255	DISC	D1	11	M W F	260	E E B
23263	DISC	E1	10	TU	161	E E B
		E1	10-12	TH	161	E E B
23271	DISC	G1	3	M W F	162	E E B
23280	DISC	J1	9	TU	250	E E B
23298	DISC	M1	9-1020	TU TH	335	E E B
23301	DISC	N1	3-5	TU	269	E E B
23310	DISC	P1	ARR			

BEAUCHAMP
 MECHTLY
 ERNST
 CRUZ
 NEAL
 MITTRA
 NEAL
 COLEMAN

E E 272 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE: APPROVED WRITTEN APPLICATION TO DEPARTMENT.
1 TO 4 HOURS
23328 CONF K1 ARR
23336 CONF K2 ARR
23344 CONF K3 ARR

E E 288 ECONOMIC ASPECTS OF ENGINEERING.
PREREQUISITE: JUNIOR STANDING IN ENGINEERING
OR CONSENT OF INSTRUCTOR.
3 HOURS
23352 DISC A1 8 M W F 169 E E B
23361 DISC G1 3 M W F 169 E E B
23379 DISC H1 4 M W F 169 E E B

E E 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
SAME AS C. S. 294.
PREREQUISITE: JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
3 HOURS
23387 LECT O1 11 M W F 151 E E B
23395 LECT G1 3 M W F 151 E E B

E E 296 HONORS PROJECT.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.
1 TO 4 HOURS
23409 CONF EK1 ARR

E E 297 HONORS SEMINAR.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.
1 TO 4 HOURS
23425 DISC GC 130-3 TU TH 170 E E B
23433 DISC GO 8 M W F 335 E E B
23441 DISC GF1 3 TU TH 136 E E B
23417 DISC GF1 8-10 TU 50M E E B
23417 DISC GF2 3 TU TH 136 E E B
23417 DISC GF2 1-3 TU 50M E E B

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

E E 322 LINEAR NETWORK THEORY, II.
PREREQUISITE: E. E. 250 AND 251; C. S. 101 AND MATH. 345.
4 HOURS, OR 0 TO 1 UNIT
23450 DISC A1 8 MTU THF 260 E E B

E E 323 CIRCUIT LABORATORY.
PREREQUISITE: E. E. 251 AND 262; CREDIT OR REGISTRATION IN
E. E. 350.
1 HOUR, OR 0 OR 1/4 UNIT
23468 LAB M 3-6 M 132 E E B
23476 LAB N 9-12 TU 132 E E B
23484 LAB O 12-3 TU 132 E E B
23492 LAB P 3-6 TU 132 E E B
23506 LAB Q 3-6 W 132 E E B
23514 LAB R 9-12 TH 132 E E B
23522 LAB S 12-3 TH 132 E E B
23531 LAB T 3-6 TH 132 E E B

E E 324 INTRODUCTION TO NETWORK SYNTHESIS.
PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 310.
3 HOURS, OR 0 TO 1 UNIT
23549 DISC D1 11 M W F 57 E E B

E E 330 MAGNETIC CIRCUITS AND TRANSFORMERS.

PREREQUISITE: E. E. 229 AND 262.

3 HOURS, OR 0 OR 3/4 UNIT

*SECTION 6B IS AN HONORS SECTION.

23557	DISC	A2	8	M	W	F	269	E	E	B
23565	DISC	B1	9	M	W	F	57	E	E	B
23573	DISC	D1	11	M	W	F	136	E	E	B
23581	DISC	X1	12	M	W	F	136	E	E	B
23590	DISC	E1	1	M	W	F	57	E	E	B
23603	DISC	F1	2	M	W	F	57	E	E	B
23611	DISC	F2	2	M	W	F	59	E	E	B
23620	DISC	*6B	11	M	W	F	161	E	E	B

TURNBULL

E E 331 MAGNETIC CIRCUITS AND TRANSFORMER LABORATORY.

PREREQUISITE: E. E. 251; CREDIT OR REGISTRATION IN E. E. 330.

1 HOUR, OR 0 OR 1/4 UNIT

23638	LAB	M	3-6	M			50K	E	E	B
23646	LAB	N	9-12	TU			50K	E	E	B
23654	LAB	O	12-3	TU			50K	E	E	B
23662	LAB	P	3-6	TU			50K	E	E	B
23671	LAB	Q	3-6		W		50K	E	E	B
23689	LAB	R	9-12		TH		50K	E	E	B
23697	LAB	S	12-3		TH		50K	E	E	B
23701	LAB	T	3-6		TH		50K	E	E	B
23719	LAB	U	3-6		F		50K	E	E	B

E E 336 ADVANCED ANALYSIS OF ELECTRIC POWER EQUIPMENT.

PREREQUISITE: E. E. 330 AND 331.

4 HOURS, OR 0 OR 1 UNIT

23727	DISC	C	10	M	W	F	136	E	E	B
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E E 340 ELECTRONICS, I.

PREREQUISITE: PHYS. 108 AND E. E. 260.

3 HOURS, OR 0 OR 3/4 UNIT

23735	DISC	A1	8	M	W	F	257	E	E	B
23743	DISC	B1	9	M	W	F	257	E	E	B
23751	DISC	X1	12	M	W	F	257	E	E	B
23760	DISC	E1	1	M	W	F	59	E	E	B
23778	DISC	F1	2	M	W	F	257	E	E	B
23786	DISC	G1	3	M	W	F	257	E	E	B

E E 341 ELECTRONICS EXPERIMENTATION.

PREREQUISITE: E. E. 251; CREDIT OR REGISTRATION IN E. E. 340.

1 HOUR, OR 0 OR 1/4 UNIT

STUDENTS MUST REGISTER IN ONE LECTURE AND IN ANY ONE LAB.

23794	LECT	A	8		TU		269	E	E	B
23808	LECT	B	1		TU		269	E	E	B
23816	LAB	M	10-12		TU		235	E	E	B
23824	LAB	N	12-2		TU		235	E	E	B
23832	LAB	D	2-4		TU		235	E	E	B
23841	LAB	P	4-6		TU		235	E	E	B
23859	LAB	Q	8-10		TH		235	E	E	B
23867	LAB	R	10-12		TH		235	E	E	B
23875	LAB	S	12-2		TH		235	E	E	B
23883	LAB	T	2-4		TH		235	E	E	B
23891	LAB	U	4-6		TH		235	E	E	B
23905	LAB	V	8-10		S		235	E	E	B

E E 342 ADVANCED ELECTRONICS.

PREREQUISITE: E. E. 262, 340, AND 341.

3 HOURS, OR 0 OR 3/4 UNIT

*SECTION 6C IS AN HONORS SECTION.

23913	DISC	B1	9	M	W	F	269	E	E	B
23921	DISC	C1	10	M	W	F	257	E	E	B
23930	DISC	C2	10	M	W	F	269	E	E	B
23948	DISC	E1	1	M	W	F	257	E	E	B
23956	DISC	F1	2	M	W	F	169	E	E	B
23964	DISC	G1	3	M	W	F	335	E	E	B
23972	DISC	*6C	10	M	W	F	57	E	E	B

WEBB

E E	343	ELECTRONICS LABORATORY									
		PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 342.									
		1 HOUR, OR 0 OR 1/4 UNIT									
	23981	LAB	M	3-6	M	238	E E B				
	23999	LAB	N	9-12	TU	238	E E B				
	24005	LAB	O	12-3	TU	238	E E B				
	24013	LAB	P	3-6	TU	238	E E B				
	24021	LAB	Q	3-6	W	238	E E B				
	24030	LAB	R	9-12	TH	238	E E B				
	24048	LAB	S	12-3	TH	238	E E B				
	24056	LAB	T	3-6	TH	238	E E B				
	24064	LAB	U	3-6	F	238	E E B				
	24072	LAB	V	9-12	S	238	E E B				
E E	344	THEORY AND FABRICATION OF SOLID STATE DEVICES.									
		PREREQUISITE: E. E. 340.									
		4 HOURS OR 1 UNIT									
	24081	DISC	A1	8	M W F	136	E E B				
		LAB	A1	2-5	TU	133	E E B				
	24099	DISC	A2	8	M W F	136	E E B				
		LAB	A2	9-12	TH	133	E E B				
	24102	DISC	E1	1	M W F	136	E E B				
		LAB	E1	9-12	TU	133	E E B				
	24111	DISC	E2	1	M W F	136	E E B				
		LAB	E2	2-5	TH	133	E E B				
E E	347	INDUSTRIAL ELECTRONICS.									
		PREREQUISITE: E. E. 330 AND 342.									
		*CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.									
		*4 HOURS, OR 0 OR 1 UNIT									
		STUDENTS MUST REGISTER IN THE DISCUSSION AND IN ONE LAB.									
	24129	DISC	G1	3	M W F	250	E E B				
	24137	LAB	M	9-12	TH	50N	E E B				
	24145	LAB	N	2-5	TH	50N	E E B				
E E	350	LINES, FIELDS, AND WAVES.									
		PREREQUISITE: E. E. 229 AND 262.									
		3 HOURS OR 3/4 UNIT									
		*SECTION 8B IS AN HONORS SECTION.									
	24153	DISC	B1	9	M W F	254	E E B				
	24161	DISC	D1	11	M W F	254	E E B				
	24170	DISC	X1	12	M W F	254	E E B				
	24188	DISC	E1	1	M W F	254	E E B				
	24196	DISC	E2	1	M W F	141	E E B				
	24200	DISC	F1	2	M W F	254	E E B				
	24218	DISC	*8B	9	M W F	161	E E B				
										EMERY	
E E	352	ELECTROMAGNETIC FIELDS.									
		PREREQUISITE: E. E. 350.									
		3 HOURS OR 3/4 UNIT									
	24226	DISC	B1	9	M W F	260	E E B				
	24234	DISC	D1	11	M W F	141	E E B				
	24242	DISC	X1	12	M W F	250	E E B				
	24251	DISC	E1	1	M W F	250	E E B				
	24269	DISC	F1	2	M W F	161	E E B				
	24277	DISC	G1	3	M W F	136	E E B				
E E	353	RADIC CIRCUITS.									
		PREREQUISITE: E. E. 341; CREDIT OR REGISTRATION IN E. E. 310.									
		4 HOURS, OR 0 OR 1 UNIT									
		STUDENTS MUST REGISTER IN ONE DISCUSSION AND IN ANY ONE LAB.									
	24285	DISC	C1	10	M W F	260	E E B				
	24293	DISC	F1	2	M W F	260	E E B				
	24307	LAB	M	9-12	TU	246	E E B				
	24315	LAB	N	12-3	TU	246	E E B				
	24323	LAB	O	3-6	TU	246	E E B				
	24331	LAB	P	9-12	TH	246	E E B				
	24340	LAB	Q	12-3	TH	246	E E B				
	24358	LAB	R	3-6	TH	246	E E B				
E E	355	FIELDS AND WAVES.									
		PREREQUISITE: E. E. 229 AND 350, OR CONSENT OF INSTRUCTOR.									
		3 HOURS, OR 0 OR 3/4 UNIT									
	24366	DISC	A1	8	M W F	162	E E B				

E E 356 MICRO WAVE TECHNIQUES.
PREREQUISITE: CREDIT OR REGISTRATION IN E. E. 352 OR 355.
1 HOUR, OR 0 OR 1/4 UNIT

24374	LAB	M	9-12	TU	251	E E B
24382	LAB	N	12-3	TU	251	E E B
24391	LAB	O	3-6	TU	251	E E B
24404	LAB	P	12-3	TH	251	E E B

E E 359 INTRODUCTION TO NOISE AND INFORMATION TRANSMISSION.
PREREQUISITE: E. E. 310.
3 HOURS, OR 3/4 OR 1 UNIT

24412	DISC	B1	9-1020	TU TH	269	E E B
24421	DISC	H1	4	M W F	141	E E B

E E 366 AERONOMY: PHYSICS OF THE UPPER ATMOSPHERE AND SPACE.
SAME AS ASTR. AND PHYCS. 366.
PREREQUISITE: PHYCS. 342, 321, AND 381; OR CONSENT OF INSTRUCTOR.
4 HOURS OR 1 UNIT

24439	LECT-DISC	S	230-4	TU TH	158	P B
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E E 367 ACTIVE NETWORKS.
PREREQUISITE: E. E. 342.
3 HOURS OR 3/4 UNIT

24447	DISC	E1	1	M W F	269	E E B
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E E 373 ENGINEERING ACOUSTICS.
SAME AS T. A. M. 373.
PREREQUISITE: SENIOR STANDING WITH CREDIT IN MATH. 345 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 TO 1 UNIT

24455	DISC	D1	11	M W F	59	E E B
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E E 376 SYMMETRICAL COMPONENT ANALYSIS OF POWER SYSTEMS.
PREREQUISITE: E. E. 350.
3 HOURS, OR 0 OR 1 UNIT

24463	DISC	F1	2	M W F	162	E E B
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E E 378 ELECTRIC POWER NETWORKS.
PREREQUISITE: E. E. 350, CREDIT OR REGISTRATION IN E. E. 332.
3 HOURS, OR 0 OR 1 UNIT

24471	DISC	A1	8	M W F	161	E E B
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E E 381 PULSE TECHNIQUES.
PREREQUISITE: E. E. 342.
*CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.
*4 HOURS, OR 0 OR 1 UNIT

24480	DISC	B1	9	M W F	250	E E B
	LAB	B1	9-12	TU	234	E E B
24498	DISC	C1	10	M W F	250	E E B
	LAB	C1	9-12	TH	234	E E B
24501	DISC	F1	2	M W F	250	E E B
	LAB	F1	2-5	TU	234	E E B

E E 382 TRANSISTOR CIRCUITS.
PREREQUISITE: E. E. 340, 342 AND 343, CREDIT OR REGISTRATION IN E. E./MET. E. 384, OR CONSENT OF INSTRUCTOR.
4 HOURS OR 1 UNIT
STUDENTS MUST REGISTER IN ONE DISCUSSION AND IN ANY ONE LAB.

24510	DISC	A1	8	M W F	141	E E B
24528	DISC	B1	9	M W F	141	E E B
24536	DISC	F1	2	M W F	141	E E B
24544	DISC	G1	3	M W F	141	E E B
24552	LAB	M	9-12	TU	241	E E B
24561	LAB	N	12-3	TU	241	E E B
24579	LAB	O	9-12	TH	241	E E B
24587	LAB	P	12-3	TH	241	E E B

E E 383 TRANSISTOR CIRCUITS.
PREREQUISITE: E. E. 342 AND 343, CREDIT OR REGISTRATION IN E. E./MET. E. 384, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

24595	DISC	A1	8	M W F	141	E E B
24609	DISC	B1	9	M W F	141	E E B
24617	DISC	F1	2	M W F	141	E E B
24625	DISC	G1	3	M W F	141	E E B

E E 384 PROPERTIES OF SOLIDS.
 SAME AS MET. E. 384.
 PREREQUISITE: PHYCS. 383
 3 HOURS OR 3/4 UNIT

24633	LECT-DISC	B	9	M W F	119	M M B
24641	LECT-DISC	D	11	M W F	119	M M B
24650	LECT-DISC	G	3	M W F	269	E E B

E E 386 FUNDAMENTALS OF SERVOMECHANISMS.
 PREREQUISITE: SENIOR STANDING IN ELECTRICAL ENGINEERING, OR
 CONSENT OF INSTRUCTOR.
 4 HOURS, OR 0 OR 1 UNIT
 STUDENTS MUST REGISTER IN ONE DISCUSSION AND IN ANY ONE LAB.

24668	DISC	E1	1	M W F	260	E E B
24676	DISC	G1	3	M W F	260	E E B
24684	LAB	M	9-12	TU	268	E E B
24692	LAB	N	12-3	TU	268	E E B
24706	LAB	O	3-6	TU	268	E E B
24714	LAB	P	9-12	TH	268	E E B
24722	LAB	Q	12-3	TH	268	E E B

E E 387 INTRODUCTION TO QUANTUM ELECTRONICS FOR ELECTRICAL ENGINEERS.
 PREREQUISITE: PHYCS. 383.
 3 HOURS OR 1 UNIT

24731	DISC	A1	8	M W F	250	E E B
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E E 388 ELECTRONIC ANALOG COMPUTERS.
 PREREQUISITE: E. E. 340, 341, MATH. 345 OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 0 OR 1 UNIT
 STUDENTS MUST REGISTER IN THE DISCUSSION AND IN ANY ONE LAB.

24749	DISC	C	10	TU TH S	250	E E B
24757	LAB	M	1-3	TU	262	E E B
24765	LAB	N	3-5	TU	262	E E B

E E 389 COMMUNICATION DESIGN.
 PREREQUISITE: E. E. 342 AND E. E. 350.
 3 HOURS, OR 0 OR 3/4 UNIT

24773	DISC	C1	10	M W F	169	E E B
24781	DISC	F1	2	M W F	136	E E B

E E 391 BOOLEAN ALGEBRA AND SWITCHING THEORY.
 SAME AS C. S. AND MATH 391.
 PREREQUISITE: SENIOR STANDING AND CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT

24790	LECT-DISC	N1	1030-12	TU TH	110	A H	HOHN
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E E 392 INTRODUCTION TO AUTOMATA THEORY.
 SAME AS C. S. AND MATH. 392.
 PREREQUISITE: C. S., E. E. OR MATH. 391 OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT

24803	LECT-DISC	B1	9	M W F	245	E E B	METZE
24811	LECT-DISC	M1	9-1020	TU TH	141	E E B	PREPARATA

COURSES FOR GRADUATES

E E 400 SEMINAR.
 REQUIRED OF ALL GRADUATE STUDENTS.
 0 CREDIT

24820	LECT	U	4	TH	151	E E B	FETT
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E E 414 ENGINEERING APPLICATIONS OF LINEAR GRAPHS.
 SAME AS C. S. 414.
 PREREQUISITE: E. E. 416, MATH. 315 OR 318.
 1 UNIT

24838	DISC	E	1	M W F	335	E E B	MAYEDA
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E E 415 CONTROL SYSTEM THEORY AND DESIGN.
 PREREQUISITE: E. E. 386 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
 1 UNIT

24846	DISC	C	10	M W F	335	E E B	KOKOTOVIC
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E E	416	ANALYSIS OF NETWORKS AND SYSTEMS.									
		PREREQUISITE: E. E. 322, CREDIT OR REGISTRATION IN MATH. 346 OR 348.									
		1 UNIT									
	24854	DISC	B	9	M W F	335	E E B	WAX			
E E	420	ELECTROMAGNETIC WAVES AND RADIATING SYSTEMS.									
		PREREQUISITE: E. E. 352.									
		1 UNIT									
	24862	DISC	C	10	M W F	141	E E B				
	24871	DISC	D	11	M W F	335	E E B	LO			
E E	421	ADVANCED ELECTROMAGNETIC ENGINEERING.									
		PREREQUISITE: E. E. 420.									
		1 UNIT									
	24889	DISC	C	10-1120	TU TH	162	E E B	OESCHAMPS			
E E	434	RANDOM PROCESSES IN ELECTRICAL ENGINEERING.									
		PREREQUISITE: MATH. 361.									
		1 UNIT									
	24897	DISC	C	1030-12	TU TH	335	E E B	HAODAO			
E E	435	THEORY OF SEMICONDUCTORS AND SEMICONDUCTOR DEVICES.									
		SAME AS PHYCS. 435.									
		PREREQUISITE: PHYCS. 381 OR 383.									
		1 UNIT									
	24901	LECT-DISC	R	1-220	TU TH	136	P B	HANDLER			
E E	437	PRINCIPLES OF MICROWAVE MEASUREMENTS.									
		PREREQUISITE: E. E. 355 AND E. E. 356.									
		1 UNIT									
	24919	DISC	L	8	TU TH	335	E E B	DYSON			
		LAB	L	9-12	TH	251	E E B	DYSON			
E E	438	STOCHASTIC PROCESSES IN ENGINEERING.									
		SAME AS A. A. E. 453.									
		PREREQUISITE: A. A. E. 452, E. E. 434 OR EQUIVALENT.									
		1 UNIT									
	24927	LECT-DISC	A	10-1130	TU TH	204	T B	LIN			
E E	439	ADVANCED THEORY OF SEMICONDUCTORS AND SEMICONDUCTOR DEVICES.									
		PREREQUISITE: E. E. 435 OR PHYSC. 435.									
		1 UNIT									
	24935	DISC	S	2-320	TU TH	335	E E B	SAH			
E E	445	POWER SYSTEM STABILITY.									
		PREREQUISITE: E. E. 440.									
		1 UNIT									
	24943	DISC	K	ARR				HELM			
E E	452	TIME-VARYING AND NONLINEAR CIRCUITS.									
		PREREQUISITE: E. E. 416 AND MATH. 346.									
		1 UNIT									
	24951	DISC	B	9-1020	TU TH	257	E E B	TRICK			
E E	453	OPTIMUM CONTROL SYSTEMS.									
		PREREQUISITE: E. E. 415.									
		1 UNIT									
	24960	DISC	D	11	M W F	250	E E B	CRUZ			
E E	465	TOPICS IN AUTOMATA THEORY.									
		SAME AS C. S. AND MATH. 465.									
		PREREQUISITE: C. S., E. E. OR MATH. 392, OR CONSENT OF INSTRUCTOR.									
		1 UNIT									
	24978	LECT-DISC	01	11	M W F	110	A H	MULLER			
E E	472	QUANTUM ELECTRONICS.									
		PREREQUISITE: PHYCS. 381.									
		1 UNIT									
	24986	DISC	E	1-230	TU TH	257	E E B	VERDEYEN			

E E	481	THRESHOLD LOGIC. SAME AS C. S. 481.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
	24994	DISC	N	10-1120	TU TH	169	E E B		MUROGA
E E	482	THEORY OF DIGITAL COMPUTER ARITHMETIC. SAME AS C. S. 482.							
		PREREQUISITE: C. S. OR E. E. 394.							
		1 UNIT							
	25001	DISC	N	1030-12	TU TH	170	E E B		ROBERTSON
E E	486	CONSTITUTION OF THE IONOSPHERE: AN INTRODUCTION TO AERONOMY. SAME AS ASTR. 486.							
		PREREQUISITE: GRADUATE STANDING IN ELECTRICAL ENGINEERING, PHYSICS, OR ASTRONOMY, MATH. 341 OR EQUIVALENT.							
		1 UNIT							
	25019	DISC	F	2	M W F	335	E E B		BOWHILL
E E	490	SEMINAR IN SPECIAL TOPICS.							
		PREREQUISITE: ADVANCED STANDING AND CONSENT OF INSTRUCTOR.							
		0 TO 1/2 UNIT							
	25027	LECT	N	3-5	TU	269	E E B		NEAL
	25035	LECT	S	ARR					SECHRIST
E E	497	ELECTRICAL ENGINEERING PROBLEMS.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		0 TO 1 UNIT							
	25043	DISC	B1	9	M W F	162	E E B		
	25051	DISC	C1	10	M W F	254	E E B		GELLER
	25060	DISC	O1	11	M W F	260	E E B		MECHTLY
	25078	DISC	O2	11	M W F	257	E E B		BURTNESS
	25086	DISC	H1	4	M W F	335	E E B		
	25094	DISC	K1	ARR					CROWLEY
	25108	DISC	L1	ARR					LIU
	25116	DISC	M1	9-1020	TU TH	335	E E B		MITTRA
E E	498	INDIVIDUAL STUDY.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1/2 TO 2 UNITS							
	25124	CONF	HWA	ARR					ADES
	25132	CONF	FTA	ARR					ADLER
	25141	CONF	OPA	ARR					AKITT
	25159	CONF	WGA	ARR					ALBRIGHT
	25167	CONF	GEA	ARR					ANNER
	25175	CONF	RBA	ARR					ASH
	25183	CONF	WRA	ARR					ASHBY
	25191	CONF	MLB	ARR					BABCOCK
	25205	CONF	OSB	ARR					BABB
	25213	CONF	AQB	ARR					BAILEY
	25221	CONF	JB	ARR					BAROEN
	25230	CONF	JWB	ARR					BEAUCHAMP
	25248	CONF	DLB	ARR					BITZER
	25256	CONF	SAB	ARR					BOWHILL
	25264	CONF	RMB	ARR					BROWN
	25272	CONF	RWB	ARR					BURTNESS
	25281	CONF	JHC	ARR					CAHN
	25299	CONF	BEC	ARR					CHERRINGTON
	25302	CONF	RTC	ARR					CHIEN
	25311	CONF	POC	ARR					COLEMAN
	25329	CONF	DHC	ARR					COOPER
	25337	CONF	MHC	ARR					CROTHERS
	25345	CONF	JMC	ARR					CROWLEY
	25353	CONF	JBC	ARR					CRUZ
	25361	CONF	GAD	ARR					DESCHAMPS
	25370	CONF	AWO	ARR					OIPERT
	25388	CONF	FO	ARR					DUNN
	25396	CONF	JOD	ARR					OYSON
	25400	CONF	PRE	ARR					EGBERT
	25418	CONF	WLE	ARR					EMERY
	25426	CONF	EWE	ARR					ERNST
	25434	CONF	GHF	ARR					FETT
	25442	CONF	FJF	ARR					FRY
	25451	CONF	OLG	ARR					GADDOY
	25469	CONF	LG	ARR					GOLOSTEIN

E E	498	CONTINUED		
	25477	CONF	AHH	ARR
	25485	CONF	PH	ARR
	25493	CONF	OH	ARR
	25507	CONF	HNH	ARR
	25515	CONF	MSH	ARR
	25523	CONF	COH	ARR
	25531	CONF	FEH	ARR
	25540	CONF	NH	ARR
	25558	CONF	DFH	ARR
	25566	CONF	ECJ	ARR
	25574	CONF	PKW	ARR
	25582	CONF	PK	ARR
	25591	CONF	BCK	ARR
	25604	CONF	SWL	ARR
	25612	CONF	CHL	ARR
	25621	CONF	YTL	ARR
	25639	CONF	PM	ARR
	25647	CONF	WM	ARR
	25655	CONF	PEM	ARR
	25663	CONF	MSH	ARR
	25671	CONF	EAM	ARR
	25680	CONF	HM	ARR
	25698	CONF	GAM	ARR
	25701	CONF	WEM	ARR
	25710	CONF	RM	ARR
	25728	CONF	DEM	ARR
	25736	CONF	TAM	ARR
	25744	CONF	SM	ARR
	25752	CONF	NNR	ARR
	25761	CONF	JPN	ARR
	25779	CONF	GRP	ARR
	25787	CONF	WRP	ARR
	25795	CONF	RFP	ARR
	25809	CONF	DP	ARR
	25817	CONF	WJP	ARR
	25825	CONF	FPP	ARR
	25833	CONF	SRR	ARR
	25841	CONF	JER	ARR
	25850	CONF	CTS	ARR
	25868	CONF	PFS	ARR
	25876	CONF	CFS	ARR
	25884	CONF	BGS	ARR
	25892	CONF	GWS	ARR
	25906	CONF	TNT	ARR
	25914	CONF	JTV	ARR
	25922	CONF	HMV	ARR
	25931	CONF	NW	ARR
	25949	CONF	HOW	ARR
	25957	CONF	KCY	ARR
	25965	CONF	X	ARR
				HADDAD
				HANDLER
				HANG
				HAYWARD
				HELM
				HENDRICKS
				HOHN
				HOLONYAK
				HOLSHOUSER
				JORDAN
				KLOCK
				KOKOTOVIC
				KUO
				LEE
				LIU
				LO
				MAST
				MAYEDA
				MAYES
				MCVAY
				MECHTLY
				MERKELO
				METZE
				MILLER
				MITTRA
				MULLER
				MURRELL
				MUROGA
				NARAYANARAO
				NEAL
				PETRCE
				PERKINS
				PIERRET
				PINES
				POPPELBAUM
				PREPARATA
				RAY
				ROBERTSON
				SAH
				SCHWARZLOSE
				SECHRIST
				STREETMAN
				SWENSON
				TRICK
				VERDEYEN
				VONFOERSTER
				WAX
				WEBB
				YEH
				STAFF

E E	499	THESIS RESEARCH.		
		O TO 4 UNITS		
	25973	CONF	HWA	ARR
	25981	CONF	FTA	ARR
	25990	CONF	DPA	ARR
	26006	CONF	WEA	ARR
	26014	CONF	GEA	ARR
	26022	CONF	RBA	ARR
	26031	CONF	WRA	ARR
	26049	CONF	MLB	ARR
	26057	CONF	ADB	ARR
	26065	CONF	JB	ARR
	26073	CONF	DLB	ARR
	26081	CONF	SAB	ARR
	26090	CONF	RMB	ARR
	26103	CONF	RWB	ARR
	26111	CONF	RHC	ARR
	26120	CONF	BEC	ARR
	26138	CONF	RTC	ARR
	26146	CONF	POC	ARR
	26154	CONF	JBC	ARR
	26162	CONF	GAD	ARR
	26171	CONF	FO	ARR
	26189	CONF	JDD	ARR
	26197	CONF	WLE	ARR
	26201	CONF	EWE	ARR
	26219	CONF	GHF	ARR
	26227	CONF	FJF	ARR
	26235	CONF	OLG	ARR
	26243	CONF	LG	ARR
				ADES
				ADLER
				AKITT
				ALBRIGHT
				ANMER
				ASH
				ASHBY
				BABCOCK
				BAILEY
				BARDEEN
				BITZER
				BOWHILL
				BROWN
				BURTNESS
				CAHN
				CHERRINGTON
				CHIEN
				COLEMAN
				CRUZ
				DESCAMPS
				DUNN
				DYSON
				EMERY
				ERNST
				FETT
				FRY
				GADDOY
				GOLDSSTEIN

E E 499 CONTINUED

26251	CONF	AHH	ARR	HADDAO
26260	CONF	PH	ARR	HANDLER
26278	CONF	OH	ARR	HANG
26286	CONF	HNH	ARR	HAYWARD
26294	CONF	MSH	ARR	HELM
26308	CONF	COH	ARR	HENORICKS
26316	CONF	FEH	ARR	HOHN
26324	CONF	NH	ARR	HOLONYAK
26332	CONF	OFH	ARR	HOLSHOUSER
26341	CONF	ECJ	ARR	JORDAN
26359	CONF	PWK	ARR	KLOCK
26367	CONF	PK	ARR	KOKOTOVIC
26375	CONF	BCK	ARR	KUO
26383	CONF	SWL	ARR	LEE
26391	CONF	CHL	ARR	LIU
26405	CONF	YTL	ARR	LO
26413	CONF	WM	ARR	MAYEOA
26421	CONF	PEM	ARR	MAYES
26430	CONF	EAM	ARR	MECHTLY
26448	CONF	HM	ARR	MERKELO
26456	CONF	GAM	ARR	METZE
26464	CONF	WEM	ARR	MILLER
26472	CONF	RM	ARR	MITTRA
26481	CONF	DEM	ARR	MULLER
26499	CONF	SM	ARR	MUROGA
26502	CONF	TAM	ARR	MURRELL
26511	CONF	NNR	ARR	NARAYANARAO
26529	CONF	JPN	ARR	NEAL
26537	CONF	WRP	ARR	PERKINS
26545	CONF	OP	ARR	PINES
26553	CONF	WJP	ARR	POPPELBAUM
26561	CONF	FPP	ARR	PREPARATA
26570	CONF	SRR	ARR	RAY
26588	CONF	JER	ARR	ROBERTSON
26596	CONF	CTS	ARR	SAH
26600	CONF	PFS	ARR	SCHWARZLOSE
26618	CONF	GWS	ARR	SWENSON
26626	CONF	TNT	ARR	TRICK
26634	CONF	JTV	ARR	VEROEYEN
26642	CONF	HMV	ARR	VONFOERSTER
26651	CONF	NW	ARR	WAX
26669	CONF	HOW	ARR	WEBB
26677	CONF	KCY	ARR	YEH
26685	CONF	X	ARR	STAFF

ELEMENTARY EDUCATION

DEPARTMENT OFFICE

306 EDUC

COURSES FOR UNDERGRADUATES

EL ED 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

COURSES FOR UNDERGRADUATES

THIS SEMINAR WILL BE ON TEACHING IN THE INNER CITY.

86608	CONF	1	7-9PM	TU	150	ARMORY	STAFF
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COURSES FOR ADVANCED UNDERGRADUATES

EL ED 230 PRINCIPLES, PROBLEMS AND ISSUES IN ELEMENTARY EDUCATION.

PREREQUISITE: MUST BE TAKEN CONCURRENTLY WITH ED. PR. 232.

3 HOURS

OPEN ONLY TO STUDENT TEACHERS. NOTE: FIRST MEETING FOR ALL SECTIONS IN ROOM 2 EDUCATION BUILDING.

26693	LECT-DISC	1	7-10PM	TH	2	EDUC	BUNKER
26707	LECT-DISC	2	7-10PM	TH	6	COM W	
26715	LECT-DISC	3	7-10PM	TH	36	COM W	
26723	LECT-DISC	4	7-10PM	TH	1	EDUC	
26731	LECT-DISC	5	7-10PM	TH	28	EDUC	
26740	LECT-DISC	6	7-10PM	TH	25	EDUC	
26758	LECT-DISC	7	7-10PM	TH	166	EDUC	
26766	LECT-DISC	8	7-10PM	TH	389	EDUC	
26774	LECT-DISC	9	7-10PM	TH	15	D K H	
26782	LECT-DISC	10	7-10PM	TH	21	D K H	
26791	LECT-DISC	11	7-10PM	TH	20	COM W	
26804	LECT-DISC	12	7-10PM	TH	24	COM W	

EL ED 233 CLASSROOM PROGRAMS IN CHILDHOOD EDUCATION.

PREREQUISITE: JUNIOR STANDING, ED. PSY. 236.

2 HOURS

26812	LECT-DISC	T	3-5	TH	382	EDUC	WICKERSHAM
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EL ED 235 TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL.

PREREQUISITE: JUNIOR STANDING.

3 HOURS.

*WILL NOT MEET DURING EIGHT-WEEK ELEMENTARY SCHOOL STUDENT TEACHING PERIOD.

26821	LECT-DISC	R	1-3	TU	28	COM W	MCGILL
		R	1	TH	28	COM W	
26839	LECT-DISC	*E	1-3	M W F	2	EDUC	MCGILL

EL ED 237 THEORY AND PROCESS IN ELEMENTARY SCHOOL TEACHING.

PREREQUISITE: ED. PSY. 236.

5 HOURS

THE PRACTICE SESSIONS ARE ONLY FOR THE SIX-WEEKS OBSERVATION PERIOD IN LOCAL SCHOOLS WHEN ALL SECTIONS WILL MEET 9-12 MTUWTHF. STUDENTS SHOULD ENROLL IN ONE LAB-PRACTICE-LECTURE COMBINATION.

*SECTION 01 IS FOR EARLY CHILDHOOD.

26847	LAB	A1	8-10	TU	385	EDUC	
	PRACT	A1	9	M WTHF	ARR		
		A1	10-12	TU THF	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26855	LAB	A2	8-10	TH	385	EDUC	
	PRACT	A2	9	MTUW F	ARR		
		A2	10-12	TU THF	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26863	LAB	B1	8-10	TU	389	EDUC	
	PRACT	B1	9	MTUWTHF	ARR		
		B1	10-12	THF	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26871	LAB	B2	8-10	TH	389	EDUC	
	PRACT	B2	9	MTUWTHF	ARR		
		B2	10-12	TU F	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26880	LAB	C1	10-12	TU	33	EDUC	
	PRACT	C1	9	MTUWTHF	ARR		
		C1	10-12	THF	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26898	LAB	C2	10-12	TH	33	EDUC	
	PRACT	C2	9	MTUWTHF	ARR		
		C2	10-12	TU F	ARR		
	LECT	1	10-12	M W	2	EDUC	EASLEY
26901	LAB	*D	10-12	F	150	ARMORY	
	PRACT	*D	8-10	M W F	ARR		
		*D	8-12	TU TH	ARR		
	LECT	*2	10-12	M W	150	ARMORY	WEIR

EL ED 248 SPEECH CORRECTION METHODS IN THE SCHOOLS.

SAME AS SPCH. 248.

PREREQUISITE: SPCH. 388

3 HOURS

TWO HOURS TO BE ARRANGED.

26910	LECT-DISC	*10-12	TU TH	106	SP CLINIC	JOHNSON
		*3-5	TH	106	SP CLINIC	JOHNSON

EL ED 249 INDEPENDENT STUDY.

PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.

2 HOURS

26928	CONF	ARR				STAFF
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EL ED 291 THESIS.

PREREQUISITE: SENIOR STANDING.

2 HOURS

26936	CONF	ARR				STAFF
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

EL ED 332 PRINCIPLES AND PRACTICES IN ELEMENTARY MATHEMATICS EDUCATION.

PREREQUISITE: MATH. 202 AND 203 OR EQUIVALENT.

3 HOURS, OR 1/2 OR 1 UNIT

26944	LECT-DISC	4-6	TU	192	EDUC	LERCH
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EL ED 333 THE TEACHING OF LANGUAGE ARTS IN THE ELEMENTARY SCHOOL.
 PREREQUISITE: EL. ED. 237 AND ED. PSY. 236.
 3 HOURS, OR 1/2 TO 1 UNIT
 *SECTIONS A1, A2, C, AND F2 OPEN ONLY STUDENT TEACHERS.
 WILL NOT MEET DURING EIGHT-WEEK ELEMENTARY SCHOOL STUDENT TEACHING PERIOD.

26961	LECT-DISC	*A1	8-10	M	W	F	385	EDUC	SHEPHERD
26979	LECT-DISC	*A2	8-10	M	W	F	21	D K H	HULBERT
26987	LECT-DISC	*C	10-12	M	W	F	192	EDUC	MOORE
27001	LECT-DISC	*F2	1-3	M	W	F	328	D K H	SHEPHERD
26952	LECT-DISC	Y	7-9PM	TU			1	EDUC	HULBERT

EL ED 334 PRINCIPLES AND PRACTICES IN EARLY CHILDHOOD EDUCATION.
 PREREQUISITE: EL. ED. 237.
 3 HOURS OR 1/2 UNIT

27010	LECT-DISC		4-6	TU			25	EDUC	KATZ
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EL ED 335 SCIENCE IN THE ELEMENTARY SCHOOL.
 PREREQUISITE: EL. ED. 237, OR EQUIVALENT; TWO YEARS OF COLLEGE SCIENCE.
 3 HOURS OR 1/2 UNIT
 LABORATORY WILL BE OPEN DAILY. SEE SCHEDULE AT LAB. EXTRA LAB HOURS REQUIRED OF ALL SECTIONS.
 *LECTURE-LAB 1 OPEN ONLY TO STUDENTS CONCURRENTLY ENROLLED IN L. A. S. 142 LAB-DISC-LECTURE SECTION S1. LECTURE-LAB 2 OPEN ONLY TO STUDENTS CONCURRENTLY ENROLLED IN L. A. S. 142 LAB-DISC-LECTURE SECTION S2. LECTURE-LAB 3 OPEN ONLY TO STUDENTS CONCURRENTLY ENROLLED IN L. A. S. 142 LAB-DISC-LECTURE SECTION S3. GRADUATE STUDENTS MAY NOT ENROLL IN THESE THREE SECTIONS. PREREQUISITIES DO NOT HOLD FOR THESE THREE SECTIONS.
 *LECTURE 4 AND LAB 4 WILL NOT MEET DURING EIGHT-WEEK ELEMENTARY SCHOOL STUDENT TEACHING PERIOD.

27052	LECT	*1	1-3	M			4G	EDUC	SHORES
	LAB	*1	ARR				4	EDUC	
27061	LECT	*2	1-3	W			10	EDUC	
	LAB	*2	ARR				4	EDUC	
27036	LECT	*3	9-11	TH			4G	EDUC	WELLER
	LAB	*3	ARR				4	EDUC	
27087	LECT	*4	1-3	TU			4G	EDUC	
	LAB	*4	ARR				4	EDUC	
27028	LECT	5	3-5	W			4G	EDUC	
	LAB	5	ARR				4	EDUC	

EL ED 336 PRIMARY READING.
 PREREQUISITE: JUNIOR STANDING AND REGISTRATION IN A TEACHER EDUCATION CURRICULUM.
 3 HOURS, OR 1/2 OR 1 UNIT
 *WILL NOT MEET DURING EIGHT WEEK ELEMENTARY SCHOOL STUDENT TEACHING PERIOD.

27117	LECT-DISC	*A	8-10	M	W	F	389	EDUC	SHORES
27125	LECT-DISC	*C	10-12	M	W	F	382	EDUC	BENNETT
27133	LECT-DISC	*C1	10-12	M	W	F	36	COM W	DUNKELD
27095	LECT-DISC	C2	10	M	W	F	166	EDUC	POWELL
27141	LECT-DISC	*E	1-3	M	W	F	20	COM W	DUNKELD
27109	LECT-DISC	F	2	M	W	F	126	COM W	BENNETT

EL ED 337 ART EDUCATION IN THE ELEMENTARY SCHOOL.
 PREREQUISITE: JUNIOR STANDING.
 3 HOURS OR 1/2 UNIT
 *SECTIONS A, A1, AND C WILL NOT MEET DURING EIGHT-WEEK ELEMENTARY SCHOOL STUDENT TEACHING PERIOD.
 *SECTION F1 OPEN ONLY TO STUDENTS CONCURRENTLY ENROLLED IN ART 203, LAB 0. TWO ADDITIONAL HOURS REQUIRED SATURDAY MORNINGS IN THIS SECTION TO TEACH ART TO CHILDREN ENROLLED IN A SPECIAL CLASS.

27168	LECT-DISC	*A	8	MTWTHF			106	F A B	
27176	LECT-DISC	*A1	8	MTWTHF			2	EDUC	
27184	LECT-DISC	*C	10	MTWTHF			62	K M	
27150	LECT-DISC	E	1	M	W	F	107	F A B	
27206	LECT-DISC	*F1	2	TU			107	F A B	LANSING
		*F1	1-3		TH		107	F A B	
		*F1	8-12			S	166	EDUC	
		*F1	8-12			S	176	EDUC	

EL ED 338 TEACHING OF READING IN GRADES FOUR THROUGH TWELVE.
 SAME AS SE. ED. 338.
 PREREQUISITE: JUNIOR STANDING AND EL. ED. 336 OR EDPsy. 211.
 3 HOURS, OR 1/2 OR 1 UNIT
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

27214	LECT-DISC	A1	8	TU TH	166	EDUC	
	LECT	A1	8	M	166	EDUC	
27222	LECT-DISC	A2	8	W F	166	EDUC	
	LECT	A2	8	M	166	EDUC	
27231	LECT-DISC	F	2-4	M W	36	COM W	ERICKSON
	LECT	F	2	F	36	COM W	KOENKE

EL ED 339 CORRECTIVE READING.
 SAME AS EDPsy. 339.
 PREREQUISITE: EL. ED. 336 OR 338.
 3 HOURS OR 1 UNIT
 MUST REGISTER IN ADVANCE WITH READING CLINIC DIRECTOR.

27249	LECT-DISC	U	4-6	TU	10	EDUC	
27257	LECT-DISC	H	4-6	W	10	EDUC	

EL ED 354 AUDIO-VISUAL COMMUNICATION.
 SAME AS LIB. S. AND SE. ED. 354
 PREREQUISITE: SENIOR OR GRADUATE STANDING.
 3 HOURS, OR 1/2 OR 1 UNIT

27265	LECT-DISC		4-6	TU	1	EDUC	ISAACS
27273	LAB	A	4-6	W	33	EDUC	
27281	LAB	B	4-6	TH	28	EDUC	

COURSES FOR GRADUATES

EL ED 431 ELEMENTARY SCHOOL CLASSROOM PROGRAMS.
 1 UNIT

27290	LECT-DISC	A	7-9PM	W	166	EDUC	BARNES
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EL ED 432 CLINICAL DIAGNOSIS AND REMEDIATION IN READING.
 PREREQUISITE: EL. ED. 339 AND A COURSE IN INDIVIDUAL MENTAL TESTING.
 *MAY BE REPEATED FOR A MAXIMUM OF 2 UNITS.
 *1 UNIT

27303	LECT-DISC		4-6	TH	10	EDUC	KOENKE
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EL ED 433 CURRICULUM PROBLEMS AND TRENDS IN SPECIAL FIELDS OF ELEMENTARY EDUCATION.
 PREREQUISITE: FOR ALL SECTIONS, EL. ED. 431 OR 434 OR CONSENT OF INSTRUCTOR; LANGUAGE ARTS SECTIONS, EL. ED. 333 AND 336 OR A COURSE IN THE TEACHING OF READING OR LANGUAGE ARTS, OR CONSENT OF INSTRUCTOR; CREATIVE ARTS SECTION, EL. ED. 337 OR CONSENT OF INSTRUCTOR; SCIENCE SECTION, EL. ED. 335 OR A METHODS COURSE IN TEACHING SCIENCE IN THE ELEMENTARY SCHOOL AND TWO YEARS OF COLLEGE SCIENCE, OR CONSENT OF INSTRUCTOR; READING SECTION, EL. ED. 336 OR COURSE IN TEACHING OF READING, OR CONSENT OF INSTRUCTOR; EARLY CHILDHOOD SECTION, EL. ED. 434, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 *SECTION A IS FOR LANGUAGE ARTS.
 *SECTION B IS FOR SOCIAL STUDIES.
 *SECTION F IS FOR READING.

27338	LECT-DISC	*A	4-6	TU	33	EDUC	MOORE
27311	LECT-DISC	*B	7-9PM	M	166	EDUC	MCGILL
27320	LECT-DISC	*F	10-12	S	382	EDUC	DURKIN

EL ED 435 DIAGNOSIS AND CORRECTION IN ELEMENTARY MATHEMATICS.
 PREREQUISITE: EL. ED. 332; EDPY. 392; OR EQUIVALENT.
 *STUDENTS MAY ACCUMULATE 2 UNITS.
 *1 UNIT
 27354 LECT-DISC 3-5 TH 36 COM W LERCH

EL ED 437 METHODS OF CHILD STUDY.
 PREREQUISITE: EDPY. 312 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 86616 LECT-DISC 4-6 TH 389 EDUC KATZ

EL ED 439 FUNDAMENTALS OF CURRICULUM DEVELOPMENT.
 1 UNIT
 27362 LECT-DISC 7-9PM M 162 EDUC SHORES

EL ED 449 INDEPENDENT STUDY.
 PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE
 DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.
 *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
 *1/2 OR 1 UNIT
 27371 CONF ARR GRAD STAFF

EL ED 459 WORKSHOP IN CURRICULUM DEVELOPMENT.
 1 TO 2 UNITS
 *SECTION F IS FOR CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD
 EDUCATION. THIS WORKSHOP IS DESIGNED ESPECIALLY FOR THOSE
 TEACHING ABOUT BLACKS TO YOUNG CHILDREN.
 *SECTION G IS FOR RESEARCH AND DESIGN IN CURRICULUM DEVELOPMENT.
 THIS WORKSHOP IS DESIGNED ESPECIALLY FOR ADVANCED GRADUATE
 STUDENTS IN EDUCATION INCLUDING CURRICULUM SPECIALISTS, SUPER-
 VISORS, AND PRINCIPALS.
 *SECTION H IS FOR TEACHER-PARENT RELATIONS. IT IS DESIGNED TO
 REFINTE TEACHER'S SKILLS IN RELATING TO PARENTS AND STUDYING NEW
 TRENDS IN INVOLVING PARENTS IN THE SCHOOL SETTING.
 27389 LECT-DISC *F 430-630 W 40 COM W SPODEK
 27397 LECT-DISC *G 7-9PM M 25 EDUC BARNES-LERCH
 27401 LECT-DISC *H 7-9PM W 1 EDUC KATZ

EL ED 491 FIELD STUDY AND THESIS SEMINAR.
 LIMITED TO ED.D. CANDIDATES.
 1 TO 2 UNITS
 27419 CONF ARR GRAD STAFF

EL ED 499 THESIS RESEARCH.
 0 TO 4 UNITS
 27427 CONF ARR GRAD STAFF

ENGINEERING

DEPARTMENT OFFICE

101 E H

COURSES FOR UNDERGRADUATES

ENG 101 COOPERATIVE ENGINEERING EDUCATION SEMINAR.
 PREREQUISITE: COOPERATIVE STUDENT IN ANY ENGINEERING CURRICULUM.
 0 CREDIT
 27435 LECT-DISC 5 M 119 M M B OPPERMAN

ENG 102 COOPERATIVE ENGINEERING EDUCATION PRACTICE.
 PREREQUISITE: COOPERATIVE STUDENT IN ANY ENGINEERING CURRICULUM.
 0 CREDIT
 27443 PRACT ARR OPPERMAN

ENGINEERING HONORS

DEPARTMENT OFFICE

101 E H

COURSES FOR UNDERGRADUATES

ENG H 196 THE ENGINEER AND SOCIETY.
PREREQUISITE: FRESHMAN JAMES SCHOLAR.
2 HOURS
27451 LECT-DISC 6 10-12 TU ARR THORNBURN

ENG H 197 THE ENGINEER AND HIS PROFESSION.
PREREQUISITE: FRESHMAN JAMES SCHOLAR.
1 HOUR
27460 LECT-DISC 6 3-430 M 235 M E B PIGAGE

ENG H 198 HONORS SEMINAR.
PREREQUISITE: HONORS STUDENT IN THE UNIVERSITY.
1 TO 4 HOURS
27478 CONF 6 ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ENG H 297 COLLEGE HONORS SEMINAR.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING OR
CONSENT OF INSTRUCTOR.
1 TO 4 HOURS
27486 LECT-DISC 6C 3-5 TU TH 161 E E B PERKINS
27494 LECT-DISC 6D 1-3 TU 141 E E B DIPERT
27508 LECT-DISC 6P 10-1130 TH 302 T B PLECK
27516 LECT-DISC 6S 8-10 TU TH 203 T B STERN, KONZO

ENGLISH LITERATURE AND AMERICAN LITERATURE
DEPARTMENT OFFICE 100 E B

MAJOR: A COURSE IN SHAKESPEARE AND TWENTY ADDITIONAL HOURS IN ENGLISH, EXCLUDING 101, 102, 103, 115, 116, 195, 196, AND RHETORIC 101, 102, 107, 108, 202, 251, 271, 272. OF THESE TWENTY ADDITIONAL HOURS, SEVENTEEN MUST BE TAKEN IN ENGLISH OR AMERICAN LITERATURE, INCLUDING THREE HOURS FROM EACH OF THE FOLLOWING GROUPS: (1) AMERICAN LITERATURE: ENGLISH 255, 256; A STUDENT WHO HAS CREDIT FOR BOTH ENGLISH 113 AND 114 MAY OFFER ENGLISH 272, 273, 287, 288, 316, 352, 353, 354, 359, 375, 376, 377, OR 380; (2) ENGLISH LITERATURE PRIOR TO 1616: ENGLISH 221, 235, 311, 325, 326, OR 336; (3) ENGLISH LITERATURE FROM 1616 TO 1800: ENGLISH 245, 342, 345, 346, 348, OR 349; (4) ENGLISH LITERATURE FROM 1800 TO THE PRESENT: ENGLISH 246, 263, 264, 281, 282, 283, OR 284.

PREREQUISITE TO THE ENGLISH MAJOR IS SIX SEMESTER HOURS OF INTRODUCTORY LITERATURE: ENGLISH 101 AND EITHER 102 OR 103, OR ENGLISH 195 AND 196. IF NECESSARY THESE COURSES MAY BE TAKEN CONCURRENTLY WITH ADVANCED COURSES.

MINORS: AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER IF TWO ARE CHOSEN: ANTHROPOLOGY, ECONOMICS, ANY FOREIGN LANGUAGE, HISTORY, HUMANITIES, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POL. SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH; OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC (NOT INCLUDING APPLIED MUSIC) COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. THE PROGRAM IN ASIAN STUDIES IS ACCEPTED AS A SOLE MINOR. WITH THE WRITTEN APPROVAL OF THE DEPARTMENT ADVISOR, OTHER SUBJECTS MAY BE SUBSTITUTED. NO COURSES UNLESS APPROVED BY THE ADVISOR WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THEIR DEPARTMENTS EXCEPT FRENCH 103, 104, GERMAN 103, 104, LATIN 101, 102, 103, PORTUGUESE 103, 104, RUSSIAN 103, 104, AND SPANISH 103, 104. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED.

ENGLISH MAJORS WHO INTEND TO TEACH IN SECONDARY SCHOOLS MUST SEE THE ADVISOR ON SPECIAL CURRICULA. A STUDENT WHO PLANS TO ATTEND GRADUATE SCHOOL SHOULD TAKE INTO ACCOUNT THE ENTRANCE REQUIREMENTS OF THE GRADUATE DEPARTMENT HE WISHES TO ENTER.

DEPARTMENTAL HONORS PROGRAM AND DISTINCTION: THE ENGLISH DEPARTMENT OFFERS FIVE SPECIAL COURSES (197, 295, 296, 297, 298) WHICH CONSTITUTE THE HONORS PROGRAM. A FULL DESCRIPTION OF THIS PROGRAM MAY BE OBTAINED FROM THE DEPARTMENTAL OFFICES, THE DEPARTMENTAL DIRECTOR OF HONORS, OR FROM ANY MAJOR ADVISOR. A STUDENT MAJORING IN ENGLISH WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT (4.0 OR BETTER) MAY EARN DISTINCTION ONLY BY SUCCESSFULLY COMPLETING ENGLISH 297, 298, AND ANY TWO OF THE OTHER THREE (197, 295, 296) HONORS SEMINARS IN ADDITION TO THE OTHER REMAINING REGULAR REQUIREMENTS FOR HIS MAJOR. A STUDENT ENROLLED IN THE TEACHER EDUCATION CURRICULUM MAY EARN DISTINCTION BY SUBSTITUTING ENGLISH 197 FOR ENGLISH 297 AND BY TAKING ENGLISH 298 DURING WHICHEVER SEMESTER OF HIS SENIOR YEAR HE IS ON CAMPUS THE FULL TIME.

THE LEVEL OF DISTINCTION (DISTINCTION, HIGH DISTINCTION, HIGHEST DISTINCTION) IS DETERMINED BY THE HONORS COMMITTEE, THE INSTRUCTORS IN THE HONORS SEMINARS, THE ENGLISH 298 TUTOR, AND SUCH OTHER FACULTY MEMBERS AS MAY BE ASKED TO READ THE HONORS ESSAY. TO RECEIVE HIGHEST DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE POINT AVERAGE OF 4.75 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR; TO RECEIVE HIGH DISTINCTION, HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.5. IF, IN THE OPINION OF THOSE DESIGNATED TO DETERMINE THESE MATTERS, A CANDIDATE FAILS TO EARN ANY KIND OF DISTINCTION, HE WILL STILL RECEIVE CREDIT FOR THE HONORS COURSES HE HAS TAKEN.

COURSES FOR UNDERGRADUATES

ENGL 101 INTRODUCTION TO POETRY.

3 HOURS										
27524	LECT-DISC	A1	8	M	W	F	64	M	E	B
27532	LECT-DISC	A2	8	M	W	F	310	D	K	H
27541	LECT-DISC	B1	9	M	W	F	64	M	E	B
27559	LECT-DISC	B2	9	M	W	F	105	H	H	
27567	LECT-DISC	B3	9	M	W	F	252	M	E	B
27575	LECT-DISC	C1	10	M	W	F	223	E	B	
27583	LECT-DISC	D1	11	M	W	F	147	ARMORY		
27591	LECT-DISC	X1	12	M	W	F	147	ARMORY		
27605	LECT-DISC	X2	12	M	W	F	144	BEV HALL		
27613	LECT-DISC	X3	12	M	W	F	113	G	H	
27621	LECT-DISC	E1	1	M	W	F	147	ARMORY		
27630	LECT-DISC	E2	1	M	W	F	252	M	E	B
27648	LECT-DISC	F1	2	M	W	F	144	BEV HALL		
27656	LECT-DISC	F2	2	M	W	F	252	M	E	B
27664	LECT-DISC	G1	3	M	W	F	201	E	B	
27672	LECT-DISC	H1	4	M	W	F	201	E	B	
27681	LECT-DISC	P1	1		TU	TH	140	ADMIN		
		P1	2			TH	140	ADMIN		
27699	LECT-DISC	R1	3		TU	TH	140	ADMIN		
		R1	4		TU		140	ADMIN		

ENGL 102 INTRODUCTION TO THE DRAMA.

3 HOURS										
27702	LECT-DISC	A1	8	M	W	F	140	ADMIN		
27711	LECT-DISC	A2	8	M	W	F	105	H	H	
27729	LECT-DISC	A3	8	M	W	F	223	E	B	
27737	LECT-DISC	B1	9	M	W	F	312	D	K	H
27745	LECT-DISC	C1	10	M	W	F	244	M	E	B
27753	LECT-DISC	D1	11	M	W	F	312	D	K	H
27761	LECT-DISC	D2	11	M	W	F	137	ADMIN		
27770	LECT-DISC	X1	12	M	W	F	142	ADMIN		
27788	LECT-DISC	X2	12	M	W	F	252	ADMIN		
27796	LECT-DISC	X3	12	M	W	F	221	G	H	
27800	LECT-DISC	E1	1	M	W	F	252	ADMIN		
27818	LECT-DISC	F1	2	M	W	F	147	ARMORY		
27826	LECT-DISC	F2	2	M	W	F	252	ADMIN		
27834	LECT-DISC	F3	2	M	W	F	312	D	K	H
27842	LECT-DISC	G1	3	M	W	F	259	E	B	

ENGL	102	CONTINUED									
	27851	LECT-DISC	P1	1	TU TH	137	ADMIN				
			P1	2	TH	137	ADMIN				
	27869	LECT-DISC	P2	1	TU TH	312	D K H				
			P2	2	TH	312	D K H				
	27877	LECT-DISC	R1	3	TU TH	312	D K H				
			R1	4	TU	312	D K H				
	27885	LECT-DISC	R2	3	TU TH	137	ADMIN				
			R2	4	TU	137	ADMIN				
ENGL	103	INTRODUCTION TO FICTION.									
	3 HOURS										
	27893	LECT-DISC	A1	8	M W F	240	L H				
	27907	LECT-DISC	A2	8	M W F	147	ARMORY				
	27915	LECT-DISC	A3	8	M W F	217	G H				
	27923	LECT-DISC	B1	9	M W F	243	ARMORY				
	27931	LECT-DISC	C1	10	M W F	105	H H				
	27940	LECT-DISC	C2	10	M W F	147	ARMORY				
	27958	LECT-DISC	D1	11	M W F	282	BEV HALL				
	27966	LECT-DISC	D2	11	M W F	310	D K H				
	27974	LECT-DISC	X1	12	M W F	105	H H				
	27982	LECT-DISC	X2	12	M W F	282	BEV HALL				
	27991	LECT-DISC	X3	12	M W F	205	G H				
	28007	LECT-DISC	E1	1	M W F	196	L H				
	28015	LECT-DISC	E2	1	M W F	64	M E B				
	28023	LECT-DISC	F1	2	M W F	282	BEV HALL				
	28031	LECT-DISC	F2	2	M W F	105	H H				
	28040	LECT-DISC	G1	3	M W F	140	ADMIN				
	28058	LECT-DISC	G2	3	M W F	282	BEV HALL				
	28066	LECT-DISC	H1	4	M W F	108	E B				
	28074	LECT-DISC	P1	1	TU TH	108	E B				
			P1	2	TH	108	E B				
	28082	LECT-DISC	P2	1	TU TH	205	E B				
			P2	2	TH	205	E B				
	28091	LECT-DISC	R1	3	TU TH	108	E B				
			R1	4	TU	108	E B				
	28104	LECT-DISC	R2	3	TU TH	170	L H				
			R2	4	TU	170	L H				
ENGL	115	MASTERPIECES OF ENGLISH LITERATURE.									
	3 HOURS										
	28112	LECT-DISC	A	8	M W F	252	ADMIN				
	28121	LECT-DISC	B	9	M W F	252	ADMIN				
	28139	LECT-DISC	C	10	M W F	156	M E B				
	28147	LECT-DISC	D	11	M W F	156	M E B				
	28155	LECT-DISC	X	12	M W F	310	D K H				
	28163	LECT-DISC	E	1	M W F	310	D K H				
ENGL	116	MASTERPIECES OF AMERICAN LITERATURE.									
	3 HOURS										
	28171	LECT-DISC	A1	8	M W F	312	D K H				
	28180	LECT-DISC	B1	9	M W F	204	N L				
	28198	LECT-DISC	C1	10	M W F	331	G H				
	28201	LECT-DISC	D1	11	M W F	331	G H				
	28210	LECT-DISC	X1	12	M W F	312	D K H				
	28228	LECT-DISC	E1	1	M W F	312	D K H				
	28236	LECT-DISC	F1	2	M W F	117	E B				
	28244	LECT-DISC	G1	3	M W F	310	D K H				
ENGL	131	INTRODUCTION TO SHAKESPEARE.									
	PREREQUISITE: SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102.										
	OR DESIGNATION AS AN EDMUND J. JAMES SCHOLAR.										
	3 HOURS										
	28252	LECT-DISC	A1	8	M W F	117	E B				
	28261	LECT-DISC	A2	8	M W F	108	E B				
	28279	LECT-DISC	B1	9	M W F	147	ARMORY				
	28287	LECT-DISC	C	10	M W F	142	ADMIN				
	28295	LECT-DISC	D	11	M W F	240	L H				
	28309	LECT-DISC	X	12	M W F	259	E B				
	28317	LECT-DISC	E1	1	M W F	105	H H				
	28325	LECT-DISC	F1	2	M W F	205	E B				
	28333	LECT-DISC	G	3	M W F	205	E B				

ENGL 196 FRESHMAN SEMINAR, II.
 PREREQUISITE: ENGL 195 AND JAMES SCHOLAR STANDING OR OTHER
 DESIGNATION AS A SUPERIOR STUDENT.
 4 HOURS

28341	LECT-DISC	6C1	10-12	M W	241	ARMORY	WALDOFF
28350	LECT-DISC	6C2	10-12	M W	243	ARMORY	MAJDIK
28368	LECT-DISC	6G1	3-5	M W	307	E B	MAJDIK
28376	LECT-DISC	6G2	3-5	M W	194	L H	WALDOFF

ENGL 197 SOPHOMORE HONORS SEMINAR.
 PREREQUISITE: JAMES SCHOLAR STANDING OR CONSENT OF DEPARTMENTAL
 DIRECTOR OF HONORS.
 3 HOURS

*SECTIONS 6G1 AND 6N1 TOPIC: SHAKESPEARE.
 *SECTION 6M1 TOPIC: 20TH CENTURY DRAMATIC THEORY.

28384	LECT-DISC	*6G1	3-5	F	309	E B	BRISTOL
28406	LECT-DISC	*6M1	10-12	TH	210B	E B	HURT
28392	LECT-DISC	*6N1	11-1	TH	137	ADMIN	KAUFMAN

ENGL 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

28414	CONF	M	ARR
28422	CONF	Z	ARR

COURSES FOR ADVANCED UNDERGRADUATES

ENGL 215 PRACTICAL CRITICISM.
 PREREQUISITE: NINE HOURS OF LITERATURE OR CONSENT OF INSTRUCTOR.
 3 HOURS

28431	LECT-DISC	A	8	M W F	142	ADMIN	M KAUFMANN
28449	LECT-DISC	B	9	M W F	201	E B	PURAVS
28457	LECT-DISC	C	10	M W F	201	E B	PURAVS
28465	LECT-DISC	F	2	M W F	142	ADMIN	FRAYNE
28473	LECT-DISC	G1	3	M W F	142	ADMIN	FRAYNE

ENGL 221 MEDIEVAL LITERATURE.

3 HOURS

28481	LECT-DISC	F	2	M W F	223	E B	STILLWELL
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ENGL 231 SHAKESPEARE, I.

3 HOURS

28490	LECT-DISC	D	11	M W F	201	E B	SHAPIRO
28503	LECT-DISC	X	12	M W F	201	E B	SHAPIRO

ENGL 232 SHAKESPEARE, II.

3 HOURS

28511	LECT-DISC	B	9	M W F	310	D K H	COLE
28520	LECT-DISC	C1	10	M W F	252	ADMIN	BRISTOL
28538	LECT-DISC	C2	10	M W F	109	N L	WHEELER
28546	LECT-DISC	D	11	M W F	252	ADMIN	BRISTOL
28554	LECT-DISC	P1	1	TU TH	282	BEV HALL	HINELY
		P1	2	TH	282	BEV HALL	HINELY
28562	LECT-DISC	R1	3	TU TH	282	BEV HALL	HINELY
		R1	4	TU	282	BEV HALL	HINELY

ENGL 235 ENGLISH DRAMA PREVIOUS TO SHAKESPEARE.

PREREQUISITE: JUNIOR STANDING.

3 HOURS

28571	LECT-DISC	B	9	M W F	194	L H	VANTER
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ENGL 245 ENGLISH LITERATURE FROM 1688 TO 1789.

PREREQUISITE: JUNIOR STANDING.

3 HOURS

28589	LECT-DISC	A	8	M W F	144	BEV HALL	RHODES
28597	LECT-DISC	X	12	M W F	196	L H	HOTCH

ENGL 246 THE ENGLISH ROMANTIC POETS.

3 HOURS

28601	LECT-DISC	E	1	M W F	223	E B	MAJDIK
28619	LECT-DISC	F	2	M W F	240	L H	WALDOFF

ENGL	251	GREAT NOVELISTS OF THE EIGHTEENTH CENTURY.									
		3 HOURS									
	28627	LECT-DISC	M	10	TU TH	137	ADMIN			NOBLE	
			M	12	TU	137	ADMIN			NOBLE	
ENGL	252	GREAT ENGLISH NOVELISTS OF THE NINETEENTH CENTURY.									
		3 HOURS									
	28635	LECT-DISC	C	10	M W F	206	D K H			KRAMER	
	28643	LECT-DISC	01	11	M W F	206	D K H			SZIROITNY	
	28651	LECT-DISC	02	11	M W F	223	E B			BENNETT	
	28660	LECT-DISC	X	12	M W F	325	D K H			KRAMER	
ENGL	255	SURVEY OF AMERICAN LITERATURE, I.									
		*CREDIT IS NOT GIVEN FOR BOTH ENGL. 113 AND 255.									
		*3 HOURS									
	28678	LECT-DISC	A	8	M W F	201	E B			HAMILTON	
	28686	LECT-DISC	B	9	M W F	140	ADMIN			HAMILTON	
	28694	LECT-DISC	C	10	M W F	310	O K H			WATTS	
	28708	LECT-DISC	E	1	M W F	117	E B			STUBBS	
	28716	LECT-DISC	G	3	M W F	108	E B			UROFF	
ENGL	256	SURVEY OF AMERICAN LITERATURE, II.									
		*CREDIT IS NOT GIVEN FOR BOTH ENGL. 114 AND 256.									
		*3 HOURS									
	28724	LECT-DISC	C1	10	M W F	209	E B			CARRINGER	
	28732	LECT-DISC	C2	10	M W F	337	ARMORY			STUBBS	
	28741	LECT-DISC	D1	11	M W F	196	L H			CARRINGER	
	28759	LECT-DISC	D2	11	M W F	337	ARMORY			STUBBS	
	28767	LECT-DISC	X1	12	M W F	108	E B			KYLE	
	28775	LECT-DISC	E1	1	M W F	137	ADMIN			UROFF	
	28783	LECT-DISC	F1	2	M W F	137	ADMIN			UROFF	
ENGL	257	SURVEY OF ENGLISH LITERATURE, I.									
		PREREQUISITE: SENIOR STANDING.									
		3 HOURS									
	28791	LECT-DISC	O	11	M W F	105	H H			MCGEEGAN	
ENGL	258	SURVEY OF ENGLISH LITERATURE, II.									
		PREREQUISITE: SENIOR STANDING.									
		3 HOURS									
		*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.									
	28805	LECT-DISC	B1	9	M W F	144	BEV HALL			RHOODES	
	28821	LECT-DISC	*B2	9	MTUWTHF	117	E B			MILLET	
	28813	LECT-DISC	D	11	M W F	144	BEV HALL			RHOODES	
	28830	LECT-DISC	*E	1	MTUWTHF	259	E B			MILLET	
ENGL	264	VICTORIAN LITERATURE FROM 1859 TO 1901.									
		3 HOURS									
	28848	LECT-DISC	B	9	M W F	206	O K H			KRAMER	
ENGL	265	MAJOR AUTHORS AFTER 1789.									
		2 HOURS									
		TOPIC: DICKENS, GEORGE ELIOT, HARDY.									
	28856	LECT-DISC	X	12	M W F	223	E B			MILLET	
ENGL	273	POETRY SINCE 1920.									
		PREREQUISITE: SIX HOURS OF ENGLISH LITERATURE OR CONSENT OF INSTRUCTOR.									
		3 HOURS									
	28864	LECT-DISC	C	10	M W F	117	E B			HOGAN D	
	28872	LECT-DISC	E	1	M W F	201	E B			QUINN	
ENGL	276	AFRO-AMERICAN LITERATURE.									
		PREREQUISITE: ONE YEAR OF LITERATURE STUDIED IN COLLEGE, OR CONSENT OF INSTRUCTOR.									
		3 HOURS									
	28881	LECT	C	10	M W	119	M H B			KINNAMON	
	28899	OISC	C1	10		196	L H			KINNAMON	
	28902	OISC	C2	10		307	G H			BASSIS	
	28911	OISC	01	11		307	G H			HUNT	

ENGL	281	DEVELOPMENT OF THE MODERN DRAMA, I.										
		3 HOURS										
	28929	LECT-DISC	C	10	M	W	F	252	M	E	B	ROBINSON
	28937	LECT-DISC	X	12	M	W	F	205	E	B		STOTTLAR
	28945	LECT-DISC	G	3	M	W	F	137	ADMIN			RICHARD ALLEN
ENGL	282	DEVELOPMENT OF THE MODERN DRAMA, II.										
		3 HOURS										
	28953	LECT-DISC	B	9	M	W	F	205	E	B		HURT
	28961	LECT-DISC	C	10	M	W	F	140	ADMIN			STOTTLAR
	28970	LECT-DISC	D	11	M	W	F	252	M	E	B	STOTTLAR
	28988	LECT-DISC	X	12	M	W	F	117	E	B		RICHARD ALLEN
	28996	LECT-DISC	F	2	M	W	F	137	ARMORY			RICHARD ALLEN
ENGL	284	ENGLISH LITERATURE IN THE TWENTIETH CENTURY, II.										
		3 HOURS										
	29002	LECT-DISC	B	9	M	W	F	282	BEV HALL			LOFTUS
	29011	LECT-DISC	C	10	M	W	F	282	BEV HALL			LOFTUS
	29029	LECT-DISC	E1	1	M	W	F	142	ADMIN			WILSON
	29037	LECT-DISC	F1	2	M	W	F	108	E	B		MARDER
ENGL	286	THE SHORT STORY, II.										
		PREREQUISITE: ONE COURSE IN ENGLISH OR AMERICAN LITERATURE.										
		3 HOURS										
	29045	LECT-DISC	A	8	M	W	F	110	L	H		BENNETT
	29053	LECT-DISC	B1	9	M	W	F	209	E	B		BENNETT
	29061	LECT-DISC	C1	10	M	W	F	205	E	B		SCOTT
	29070	LECT-DISC	D1	11	M	W	F	205	E	B		SCOTT
	29088	LECT-DISC	X1	12	M	W	F	209	E	B		FRIDEMAN
	29096	LECT-DISC	E1	1	M	W	F	108	E	B		B. SHALLEY
	29100	LECT-DISC	F1	2	M	W	F	201	E	B		ANDERSEN
	29118	LECT-DISC	V1	7-830PM	TU	TH		108	E	B		COSTELLO
ENGL	288	THE TWENTIETH CENTURY AMERICAN NOVEL.										
		3 HOURS										
	29126	LECT-DISC	C	10	M	W	F	64	M	E	B	KYLE
	29134	LECT-DISC	D1	11	M	W	F	64	M	E	B	KYLE
	29142	LECT-DISC	D2	11	M	W	F	349	ARMORY			ANDERSEN
	29151	LECT-DISC	E1	1	M	W	F	209	E	B		MOAKE
	29169	LECT-DISC	E2	1	M	W	F	205	E	B		SCOUFFAS
	29177	LECT-DISC	F	2	M	W	F	209	E	B		MOAKE
	29185	LECT-DISC	G	3	M	W	F	117	E	B		ANDERSEN
ENGL	296	JUNIOR HONORS SEMINAR, II.										
		PREREQUISITE: JAMES SCHOLAR STANDING OR CONSENT OF DEPARTMENTAL DIRECTOR OF HONORS.										
		3 HOURS										
		*SECTION &F1 TOPIC--MORAL PSYCHOLOGY AND THE 18TH CENTURY NOVEL.										
		SECTION &F1 WILL FULFILL THE AREA III (ENGLISH LIT FROM 1616 TO 1800) REQUIREMENT.										
		*SECTION &G TOPIC: MYTH AND ANTI-MYTH IN AMERICAN LITERATURE.										
		SECTION &G WILL FULFILL THE AREA I (AMERICAN LIT) REQUIREMENT.										
		*SECTION &L1 TOPIC: THE RENAISSANCE CONCEPT OF MAN.										
		SECTION &L1 WILL FULFILL AREA II (ENGLISH LIT TO 1616) REQUIREMENT.										
	29193	LECT-DISC	*&F1	1-3	TU			303	E	B		DUSSINGER
	29207	LECT-DISC	*&G	3-5		F		307	E	B		SCOUFFAS
	29215	LECT-DISC	*&L1	9-11	TU			140	ADMIN			HINLEY
ENGL	297	SENIOR HONORS SEMINAR.										
		PREREQUISITE: JAMES SCHOLAR STANDING OR CONSENT OF DEPARTMENTAL DIRECTOR OF HONORS.										
		3 HOURS										
		*SECTION &E TOPIC: GRECO-ROMAN MYTHOLOGY AND ENGLISH LITERATURE.										
		*SECTION &N TOPIC: W. B. YEATS AND THE MODERN TRADITION.										
	29223	LECT-DISC	*&E	1-3	TH			303	E	B		FRAYNE
	29231	LECT-DISC	*&N	3-5	TU			194	L	H		MARDER
ENGL	298	SENIOR HONORS TUTORIAL.										
		PREREQUISITE: JAMES SCHOLAR STANDING OR CONSENT OF DEPARTMENTAL DIRECTOR OF HONORS.										
		3 HOURS										
	29240	CONF	&	ARR								STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENGL	303	HISTORICAL INTRODUCTION TO THE ENGLISH LANGUAGE. PREREQUISITE: ENGL. 386. 3 HOURS OR 3/4 UNIT								
	29258	LECT-DISC B	9	M	W	F	240	L H	NEMANICH	
	29266	LECT-DISC X	12	M	W	F	240	L H	CABLE	
	29274	LECT-DISC S	2	TU			142	ADMIN	HOOK	
		S	2-4		TH		142	ADMIN	HOOK	
ENGL	310	LITERATURE FOR THE HIGH SCHOOL. 3 HOURS OR 3/4 UNIT								
	29282	LECT-DISC D	11	M	W	F	140	ADMIN	MATTHEWS	
	29291	LECT-DISC X	12	M	W	F	140	ADMIN	MATTHEWS	
ENGL	311	CHAUCEY. 3 HOURS OR 3/4 UNIT								
	29304	LECT-DISC P	1	TU	TH		117	E B	WRIGHT	
		P	2		TH		117	E B	WRIGHT	
ENGL	316	THE AMERICAN DRAMA, 1900-1960. 3 HOURS OR 3/4 UNIT								
	29312	LECT-DISC D	11	M	W	F	108	E B	FLANAGAN	
ENGL	325	ENGLISH LITERATURE FROM 1500 TO 1660. 3 HOURS OR 3/4 UNIT								
	29321	LECT-DISC B	9	M	W	F	223	E B	HOLADAY	
ENGL	336	ENGLISH DRAMA EXCLUSIVE OF SHAKESPEARE. 3 HOURS OR 3/4 UNIT								
	29339	LECT-DISC F	2	M	W	F	206	D K H	SHAPIRO	
ENGL	338	TRAGEDY. 3 HOURS OR 3/4 UNIT								
	29347	LECT-DISC A	8	M	W	F	259	E B	HURT	
ENGL	339	COMEDY. 3 HOURS OR 3/4 UNIT								
	29355	LECT-DISC G	3	M	W	F	223	E B	SHATTUCK	
ENGL	345	THE METAPHYSICAL POETS. 3 HOURS OR 3/4 UNIT								
	29363	LECT-DISC B	9	M	W	F	142	ADMIN	M KAUFMANN	
	29371	LECT-DISC D	11	M	W	F	142	ADMIN	M KAUFMANN	
ENGL	348	SWIFT, POPE, AND FIELDING. PREREQUISITE: A COURSE IN ENGLISH LITERATURE. 3 HOURS OR 3/4 UNIT								
	29380	LECT-DISC D	11	M	W	F	259	E B	SANDERS	
ENGL	351	THE MID-VICTORIAN NOVEL. 3 HOURS OR 3/4 UNIT								
	29398	LECT-DISC F	2	M	W	F	140	ADMIN	SCHNEIDER	
ENGL	360	THE POPULAR BALLAD AND THE FOLK SONG IN THE UNITED STATES. 3 HOURS OR 3/4 UNIT								
	29401	LECT-DISC D	11	M	W	F	117	E B	A GREEN	
ENGL	370	THEORY AND PRACTICE OF WRITTEN COMPOSITION. 3 HOURS OR 3/4 UNIT *RESERVED FOR M. A. CANDIDATES IN THE TEACHING OF ENGLISH AS A SECOND LANGUAGE.								
	29410	LECT-DISC A	8	M	W	F	205	E B	D HOGAN	
	29428	LECT-DISC *E	1	M	W	F	240	L H	NEMANICH	

ENGL	372	HISTORY AND PRINCIPLES OF LITERARY AND RHETORICAL CRITICISM: SIDNEY TO THE PRESENT. SAME AS SPCH. 372. PREREQUISITE: SENIOR STANDING. 3 HOURS, OR 1/2 OR 1 UNIT	29436	LECT-DISC	F	2	M	W	F	310	D	K	H	PURAVS
ENGL	380	MARK TWAIN AND THE RISE OF REALISM. PREREQUISITE: ENGL. 114, ENGL. 256, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT	29444	LECT-DISC	B	9	M	W	F	108	E	B		SCOTT
ENGL	381	THEMES AND MOVEMENTS IN BRITISH LITERATURE. PREREQUISITE: SIX HOURS OF ENGLISH OR AMERICAN LITERATURE. 3 HOURS OR 3/4 UNIT SECTION C TOPIC: THE COMEDY OF MANNERS: DRYDEN TO SHERIDAN.	29452	LECT-DISC	C	10	M	W	F	240	L	H		KAUFMAN
ENGL	386	MODERN ENGLISH GRAMMAR AND USAGE. 3 HOURS OR 3/4 UNIT *TOPIC--EMPHASIS ON TRANSFORMATIONAL GRAMMAR.	29461	LECT-DISC	A	8	M	W	F	137	ADMIN			NEMANICH
	29479	LECT-DISC	B1	9	M	W	F	313	G	H				CABLE
	29487	LECT-DISC	B2	9	M	W	F	137	ADMIN					TIBBETTS
	29509	LECT-DISC	*X	12	M	W	F	137	ADMIN					FOX
	29495	LECT-DISC	E	1	M	W	F	140	ADMIN					TIBBETTS
COURSES FOR GRADUATES														
ENGL	402	OLD ENGLISH--BEDWOLF. PREREQUISITE: ENGL. 401. 1 UNIT	29517	LECT-DISC	D	11	M	W	F	309	L	B		CAMPBELL
ENGL	403	HISTORY OF THE ENGLISH LANGUAGE. 1 UNIT *RESERVED FOR M. A. CANDIDATES IN THE TEACHING OF ENGLISH AS A SECOND LANGUAGE.	29525	LECT-DISC	C	10	M	W	F	309	L	B		CABLE
	29533	LECT-DISC	*E	1	M	W	F	313	G	H				ASTON
ENGL	405	MIDDLE ENGLISH. 1 UNIT	29541	LECT-DISC	G	3-5	M			309	E	B		CAMPBELL
ENGL	408	STUDIES IN CHAUCER AND HIS TIMES, II 1 UNIT	29550	LECT-DISC	L	2-4	TU			314	L	H		WRIGHT
ENGL	412	STUDIES IN SIXTEENTH CENTURY LITERATURE, II. 1 UNIT	29568	LECT-DISC	G	3-5	TU			307	E	B		BERRY
ENGL	418	STUDIES IN SEVENTEENTH CENTURY POETRY AND MILTON, 1640-1700. 1 UNIT	29576	LECT-DISC	N	11	TU	TH		309	L	B		BARKER
ENGL	422	STUDIES IN EIGHTEENTH CENTURY LITERATURE, II. 1 UNIT	29584	LECT-DISC	H	4	TU	TH		309	E	B		NOBLE
ENGL	428	STUDIES IN THE ROMANTIC MOVEMENT, II. 1 UNIT	29592	LECT-DISC	F	2	TU	TH		210B	E	B		STILLINGER
ENGL	431	STUDIES IN VICTORIAN LITERATURE I. 1 UNIT	29606	LECT-DISC		3	W	F		140	L	H		SCHNEIDER

ENGL 432	STUDIES IN VICTORIAN LITERATURE II.						
	1 UNIT						
29614	LECT-DISC	E	1	TU TH	309 E B	SMALLEY	
ENGL 434	MAJOR MOVEMENTS IN MODERN BRITISH FICTION.						
	1 UNIT						
29622	LECT-DISC	G1	3-5	TU	210B E B	BRANDABUR	
29631	LECT-DISC	G2	3-5	M	210B E B	WASSON	
ENGL 438	STUDIES IN AMERICAN LITERATURE AFTER 1800.						
	PREREQUISITE: SURVEY COURSE IN AMERICAN LITERATURE OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
	*SECTION F TOPIC: AFRO-AMERICAN FICTION.						
29649	LECT-DISC	*F	2	M W F	210B E B	KINNAMON	
ENGL 444	STUDIES IN MODERN DRAMA.						
	1 UNIT						
29657	LECT-DISC	H	4-6	W	223 E B	SHATTUCK	
ENGL 447	BACKGROUND MATERIALS FOR HIGH SCHOOL TEACHERS OF ENGLISH.						
	1 UNIT						
29665	LECT-DISC	H	4-6	TU	201 E B	HOOK	
ENGL 450	PROBLEMS IN BIBLIOGRAPHICAL METHOD.						
	SAME AS LIB. S. 440.						
	PREREQUISITE: CONSENT OF INSTRUCTOR.						
	1 UNIT						
	TOPIC: PROBLEMS IN LITERARY TEXTS, PRINTED BOOKS, RARE BOOKS, AND MANUSCRIPTS.						
29673	LECT-DISC	G	3-5	W	309 E B	ALLEN	
ENGL 457	PROBLEMS IN MEDIEVAL LITERATURE.						
	1 UNIT						
	SECTION V TOPIC: MEDIEVAL LYRIC POETRY.						
29681	LECT-DISC	V	7-9PM	W	210B E B	DELIGIORIS	
ENGL 463	PROBLEMS IN SHAKESPEARE.						
	1 UNIT						
29690	LECT-DISC	C	10-12	F	210B E B	COLE	
ENGL 464	PROBLEMS IN ELIZABETHAN DRAMA.						
	1 UNIT						
29703	LECT-DISC	L	10	TU TH	108 E B	HOLADAY	
ENGL 467	PROBLEMS IN MILTON AND HIS AGE.						
	PREREQUISITE: ENGL. 342 OR 418 OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
29711	LECT-DISC	F	2-4	TH	210A E B	BARKER	
ENGL 471	PROBLEMS IN EIGHTEENTH-CENTURY LITERATURE.						
	PREREQUISITE: ENGL. 421, 422, OR EQUIVALENT OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
	TOPIC: PERCEPTION AND REALITY IN NARRATIVE FORMS OF EIGHTEENTH-CENTURY POETRY AND PROSE.						
29720	LECT-DISC	M	10-12	TU	210B E B	DUSSINGER	
ENGL 475	PROBLEMS IN THE THEORY OF CRITICISM.						
	PREREQUISITE: ENGL. 442 OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
	SECTION G TOPIC: POLITICS AND THE LITERARY IMAGINATION.						
86624	LECT-DISC	G	3-5	TH	210B E B	WASSON	
ENGL 479	PROBLEMS IN VICTORIAN LITERATURE.						
	PREREQUISITE: ENGL. 431 OR 432, OR CONSENT OF INSTRUCTOR						
	1 UNIT						
29738	LECT-DISC	E	1	M W	307 E B	SMALLEY	

ENGL 480 THE ENGLISH NOVEL IN TRANSITION, 1890-1914.
1 UNIT
29746 LECT-DISC F 2-4 TU 309 E B WILSON

ENGL 484 PROBLEMS IN TWENTIETH CENTURY ENGLISH LITERATURE.
PREREQUISITE: CONSENT OF INSTRUCTOR, OR A SURVEY OF ENGLISH LITERATURE.
1 UNIT
TOPIC: PROSE OF JAMES JOYCE.
29754 LECT-DISC G 3-5 W 210B E B BRANDABUR

ENGL 488 PROBLEMS IN AMERICAN LITERATURE AND CULTURE.
PREREQUISITE: A SURVEY OF AMERICAN LITERATURE OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY REPEAT COURSE FOR CREDIT.
*1 UNIT
*SECTION H TOPIC: HEMINGWAY AND FAULKNER.
*SECTION M TOPIC: PROBLEMS IN THE USE OF THE UNCONSCIOUS IN AMERICAN FICTION.
29762 LECT-DISC *H 4-6 F 210B E B FLANAGAN
29771 LECT-DISC *M 10 TU TH 309 L18 HODGINS

ENGL 491 RESEARCH IN SPECIAL TOPICS.
*THIS COURSE MAY BE REPEATED FOR A TOTAL OF TWO UNITS
*1 UNIT
SECTION A IS FOR ASSISTANTS TEACHING ENGLISH 116; SECTION B IS FOR ASSISTANTS TEACHING ENGLISH 115.
29789 CNF A ARR
29797 CNF B ARR
29801 CNF C ARR
ALTENBERND
CAMPBELL

ENGL 497 INDEPENDENT READING.
PREREQUISITE: CONSENT OF INSTRUCTOR OF REQUISITE 300 LEVEL COURSE.
*STUDENTS MAY ACCUMULATE 1/2 UNIT.
*1/4 UNIT
29819 CNF A ARR
29827 CNF B ARR

ENGL 499 THESIS RESEARCH.
0 TO 4 UNITS
INSTRUCTORS: ALTENBERND, ASTON, BARKER, BERRY, BRANDABUR, CAMPBELL, DAVIDSON, FLANAGAN, GREEN, HENDRICK, HOLADY, HOOK, U. M. KAUFMANN, KRAMER, LOFTUS, MARDER, MILLET, MILLIGAN, PURVES, ROGERS, SCOTT, SHATTUCK, SMALLEY, STILLINGER, WASSON, WILKIE, AND WILSON.
29835 CNF ARR

ENTOMOLOGY

DEPARTMENT OFFICE

320 MOR HALL

MAJOR: TWENTY HOURS IN ENTOMOLOGY, EXCLUDING ENTOM. 101, 103 ZOO. 318 AND 321 MAY BE APPLIED FOR MAJOR CREDIT. AT LEAST FIVE HOURS MUST BE TAKEN FROM THE ADVANCED GROUP.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: AGRONOMY, BOTANY, CHEMISTRY, HORTICULTURE, MICROBIOLOGY, PHYSIOLOGY, AND ZOOLOGY.

AS A GENERAL POLICY, STUDENTS WHO CONTEMPLATE EVENTUAL CAREERS IN ENTOMOLOGY ARE URGED TO USE THE UNDERGRADUATE YEARS TO GAIN THOROUGH GROUNDING IN THE FUNDAMENTALS OF PHYSICAL AND BIOLOGICAL SCIENCE, IN MATHEMATICS AND THE OTHER LIBERAL ARTS, AND IN THE TECHNIQUES OF COMMUNICATION. THE DEPARTMENT IS GLAD TO ADVISE STUDENTS IN REGARD TO THE MOST EFFECTIVE SCHEDULE OF STUDY TO SUIT THEIR PARTICULAR NEEDS.

COURSES FOR UNDERGRADUATES

ENTOM 101 AGRICULTURAL ENTOMOLOGY.

3 HOURS

29843	LECT		10	M W	309	H H	WALDBAUER
29851	LAB	A	10-12	F	309	H H	WALDBAUER
29860	LAB	B	10-12	TH	309	H H	WALDBAUER

ENTOM 103 LIFE OF INSECTS.

4 HOURS

29878	LECT		10	TU TH	112	C A	MACLEOD
29886	LAB	A	1-3	M W	309	H H	MACLEOD
29894	LAB	B	3-5	M W	309	H H	MACLEOD
29908	LAB	C	8-10	TU TH	309	H H	MACLEOD
29916	LAB	D	1-3	TU TH	309	H H	MACLEOD
29924	LAB	E	3-5	TU TH	309	H H	MACLEOD

ENTOM 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

29932 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENTOM 301 INTRODUCTION TO ENTOMOLOGY.

PREREQUISITE: BIDL. 111 AND CHEM. 101, OR CONSENT OF INSTRUCTOR.

4 HOURS OR 1 UNIT

29941	LECT		2	TU TH	315	MOR HALL	FRIEDMAN,
	LAB		3-5	TU TH	315	MOR HALL	STERNBURG
							AND MACLEOD

ENTOM 306 SPECIAL PROBLEMS.

PREREQUISITE: CONSENT OF INSTRUCTOR.

2 TO 5 HOURS, OR 1/4 OR 1 UNIT

29959 CONF ARR STAFF

ENTOM 322 INSECT BIONOMICS.

PREREQUISITE: ENTOM. 103 OR 302, OR ZOOL. 320, AND CONSENT OF INSTRUCTOR.

4 HOURS OR 1 UNIT

29967	LECT		1	M W	407	MOR HALL	HORSFALL
	LAB		2-4	M W	407	MOR HALL	HORSFALL

COURSES FOR GRADUATES

ENTOM 420 CHEMISTRY AND TOXICOLOGY OF INSECTICIDES.

PREREQUISITE: ONE YEAR OF BIOLOGY OR EQUIVALENT IN ANIMAL SCIENCE, ORGANIC CHEMISTRY, AND CONSENT OF INSTRUCTOR.

1 UNIT

29975	LECT		2	TU TH	407	MOR HALL	METCALF,
	LAB		3-5	TU TH	215	MOR HALL	STERNBURG

ENTOM 422 INSECT PHYSIOLOGY.

PREREQUISITE: ENTOM. 302 AND 410, ORGANIC CHEMISTRY, AND CONSENT OF INSTRUCTOR.

1 UNIT

29983	LAB-DISC		9-12	TU TH	315	MOR HALL	FRIEDMAN,
							LARSEN

ENTOM 423 INSECT BEHAVIOR.

PREREQUISITE: ENTOM. 301 OR EQUIVALENT, AND CONSENT OF INSTRUCTOR.

1 UNIT

29991	LECT		9	M W	315	MOR HALL	WALDBAUER
	LAB		1-5	F	315	MOR HALL	WALDBAUER

ENTOM 426 SEMINAR IN ENTOMOLOGY.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1/4 TO 1 UNIT

30000 LECT ARR STAFF

ENTOM 499 THESIS--RESEARCH.

0 TO 4 UNITS

WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:

A--MORPHOLOGY AND EMBRYOLOGY OF INSECTS

B--APPLIED AND MEDICAL ENTOMOLOGY

C--SYSTEMATIC ENTOMOLOGY

D--BIOLOGY AND ECOLOGY OF INSECTS

E--INSECT PHYSIOLOGY & TOXICOLOGY

LARSEN, MACLEOD, STERNBURG
HORSFALL, KEARNS, LUCKMANN
METCALF
MACLEOD, SELANDER,
STANNARD
GHENT, HORSFALL, JAYCOX
WALDBAUER
FRAENKEL, FRIEDMAN,
KEARNS, LARSEN, METCALF,
STERNBURG, WALDBAUER,
WILLIS

30018

CONF

ARR

FINANCE

DEPARTMENT OFFICE

340 COM W

REQUIREMENTS FOR L. A. S. STUDENTS

MAJOR: TWENTY HOURS IN FINANCE. A FINANCE MAJOR WHO CHOOSES ECONOMICS AS A MINOR MUST INCLUDE ALSO TWELVE HOURS IN A SECOND MINOR.

ECON. 108 OR ECON. 102 AND 103, ARE FUNDAMENTAL COURSES IN ECONOMICS AND ARE PREREQUISITES FOR COURSES IN FINANCE. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN FINANCE SHOULD TAKE ECON. 108, OR ECON. 102 AND 103, IN THEIR SOPHOMORE YEAR. LIBERAL ARTS MAJORS IN FINANCE ARE ADVISED STRONGLY TO ELECT ACCY. 201 AND A COURSE IN STATISTICS.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY. THE CURRICULUM IN LATIN-AMERICAN STUDIES IS ACCEPTED AS A MINOR.

COURSES FOR UNDERGRADUATES

FIN 150 MONEY, CREDIT, AND BANKING.

PREREQUISITE: ECON. 103 OR 108.

3 HOURS

30026	LECT-DISC	B	9	M	W	F	123	D	K	H
30034	LECT-DISC	01	11	M	W	F	123	D	K	H
30042	LECT-DISC	02	11	M	W	F	317	D	K	H
30051	LECT-DISC	E	1	M	W	F	123	D	K	H
30093	LECT-DISC	6G	3	M	W	F	28	COM	W	
30069	LECT-DISC	X	12	M	W	F	226	COM	W	
30077	LECT-DISC	L	8-10	TU			123	D	K	H
		L	8		TH		123	D	K	H
30085	LECT-DISC	R	1	TU			123	D	K	H
		R	1-3		TH		123	D	K	H

FIN 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

30107

CONF

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COURSES FOR ADVANCED UNDERGRADUATES

FIN 252 BANKING PRACTICE IN THE UNITED STATES.

PREREQUISITE: FIN. 150 AND 254.

3 HOURS

30115	LECT-DISC	F	2	M	W	F	123	D	K	H
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FIN 253 INVESTMENT BANKING.
 PREREQUISITE: FIN. 150 AND 254.
 3 HOURS

30123	LECT-DISC	B	9	M W F	317	D K H	LEONARDO
30131	LECT-DISC	C	10	M W F	317	D K H	LEONARDO

FIN 254 AN INTRODUCTION TO BUSINESS FINANCIAL MANAGEMENT.
 PREREQUISITE: ACCY. 105 OR 201, FIN. 150,
 CREDIT OR REGISTRATION IN ECON. 172.
 *CREDIT IS NOT GIVEN FOR BOTH FIN. 254 AND FIN. 257.
 *3 HOURS

30140	LECT-DISC	A1	8	M W F	28	COM W	
30158	LECT-DISC	A2	8	M W F	317	D K H	
30166	LECT-DISC	X1	12	M W F	219	D K H	
30174	LECT-DISC	X2	12	M W F	123	D K H	
30182	LECT-DISC	E	1	M W F	219	D K H	
30191	LECT-DISC	G1	3	M W F	219	D K H	
30204	LECT-DISC	G2	3	M W F	123	D K H	
30212	LECT-DISC	N1	10-12	TU	317	D K H	
		N1	10	TH	317	D K H	
30221	LECT-DISC	N2	10	TU	123	D K H	
		N2	9-11	TH	123	D K H	
30239	LECT-DISC	T	2-4	TU	123	D K H	
		T	3	TH	123	D K H	

FIN 257 CORPORATION FINANCE.
 FOR NON-COMMERCE STUDENTS ONLY.
 PREREQUISITE: ECON. 103 OR 108.
 CREDIT IS NOT GIVEN FOR BOTH FIN. 257 AND FIN. 254.
 3 HOURS

30247	LECT-DISC	D	11	M W F	219	D K H	OSBORN
30255	LECT-DISC	F	2	M W F	28	COM W	OSBORN

FIN 259 INVESTMENT.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS

30263	LECT		10	M	120	ARCH	MAYER
30271	LECT-DISC	C	10	W F	28	COM W	
30280	LECT-DISC	D	11	W F	226	COM W	
30298	LECT-DISC	M	9	TU TH	219	D K H	
30301	LECT-DISC	N	10	TU TH	28	COM W	
30310	LECT-DISC	P	11	TU TH	123	D K H	

FIN 260 ECONOMICS OF INSURANCE.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS

30328	LECT-DISC	B	9	M W F	219	D K H	CAMMACK
30336	LECT-DISC	C	10	M W F	226	COM W	CAMMACK
30344	LECT-DISC	M	8-10	TU	226	COM W	
		M	8	TH	226	COM W	
30352	LECT-DISC	N	10-12	TU	219	D K H	
		N	10	TH	219	D K H	

FIN 262 LIFE INSURANCE.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS

30361	LECT-DISC	A	8	M W F	226	COM W	FORBES
30379	LECT-DISC	B	9	M W F	226	COM W	FORBES

FIN 264 INTRODUCTION TO URBAN REAL ESTATE AND LAND ECONOMICS.
 PREREQUISITE: ECON. 103 OR 108.
 *A STUDENT WILL NOT RECEIVE CREDIT FOR BOTH FIN. 264 AND 368.
 *3 HOURS

30387	LECT-DISC	A	8	M W F	123	D K H	
30395	LECT-DISC	E	1	M W F	28	COM W	

FIN 265 PROPERTY VALUATION.
 PREREQUISITE: FIN. 264.
 3 HOURS

30409	LECT-DISC	D	11	M W F	28	COM W	
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FIN 295 SENIOR RESEARCH.
 PREREQUISITE: SENIOR STANDING.
 2 TO 4 HOURS

30417	LECT-DISC	U	4-6	TU	317	D K H	MEHR
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

FIN	357	FINANCING SMALL BUSINESS. PREREQUISITE: FIN. 254 OR 257. 3 HOURS, OR 1/2 TO 1 UNIT							
	30425	LECT-DISC B	9	M	W	F	28	COM W	OSBORN
FIN	359	SECURITIES ANALYSIS. PREREQUISITE: ACCY. 108--FIN. 254. 3 HOURS, OR 1/2 TO 1 UNIT							
	30433	LECT-DISC A	8	M	W	F	219	D K H	
	30441	LECT-DISC C	10	M	W	F	123	D K H	
	30450	LECT-DISC F	2	M	W	F	219	D K H	
FIN	363	ESTATE PLANNING. PREREQUISITE: FIN. 262. 3 HOURS, OR 1/2 TO 1 UNIT							
	30468	LECT-DISC P	10-12	TU			226	COM W	
		P	11		TH		226	COM W	
FIN	369	URBAN LAND PROBLEMS. PREREQUISITE: FIN. 264 OR 368, OR CONSENT OF INSTRUCTOR. 1 TO 3 HOURS, OR 1/2 TO 1 UNIT							
	30476	LECT-DISC C	10	M	W	F	219	D K H	
FIN	371	PROPERTY AND LIABILITY INSURANCE. PREREQUISITE: FIN. 260. 3 HOURS, OR 1/2 TO 1 UNIT							
	30484	LECT-DISC E	1	M	W	F	317	D K H	FORBES

COURSES FOR GRADUATES

FIN	425	THE MONEY MARKET AND FINANCIAL STABILIZATION. PREREQUISITE: FIN. 150. 1 UNIT							
	30492	LECT-DISC STU	2-4	TU			317	D K H	ARLT
FIN	450	THEORY OF FINANCIAL MANAGEMENT. PREREQUISITE: FIN. 254, OR THE EQUIVALENT; MATH. 132, OR THE EQUIVALENT; ECON. 470, OR THE EQUIVALENT. 1 UNIT							
	30506	LECT-DISC FW	2-4	W			317	D K H	LINKE
FIN	452	INVESTMENT BEHAVIOR. PREREQUISITE: MATH. 134 OR EQUIVALENT, ECON. 470 OR EQUIVALENT. 1 UNIT							
	30514	LECT-DISC FM	2-4	M			317	D K H	GENTRY
FIN	455	CORPORATION FINANCE. PREREQUISITE: FIN. 254. 1 UNIT							
	30522	LECT-DISC FF	2-4		F		317	D K H	VAN ARSDELL
FIN	460	THEORY OF INSURANCE. 1 UNIT							
	30531	LECT-DISC LTU	8-10	TU			28	COM W	MEHR
FIN	490	INDIVIDUAL STUDY AND RESEARCH. 1/2 TO 1 UNIT							
	30549	CONF	ARR						MAYER
FIN	499	THESIS RESEARCH. 0 TO 4 UNITS							
	30557	LECT-DISC HW	4-6	W			317	D K H	MEHR
	30565	LECT-DISC UTH	4-6	TH			317	D K H	MEHR

FOOD SCIENCE
INCLUDING DAIRY TECHNOLOGY

FOOD SCIENCE

DEPARTMENT OFFICE

213 M H

COURSES FOR ADVANCED UNDERGRADUATES

- F S 202 PROCESSING AND QUALITY EVALUATION OF DAIRY AND FOOD PRODUCTS.
PREREQUISITE: CHEM. 102.
3 HOURS
- | | | | | | | | |
|-------|-----------|-----|---|---|-----|-------|-------------------------|
| 30573 | LECT-DISC | 3 | M | F | 203 | D M B | TOBIAS AND
STEINBERG |
| | LAB | 3-5 | | W | 105 | D M B | |
- F S 206 INSPECTION TRIP.
PREREQUISITE: JUNIOR STANDING IN FOOD SCIENCE, OR CONSENT OF DEPARTMENT.
A THREE TO FOUR DAY FIELD TRIP REQUIRED OF ALL SENIORS IN FOOD SCIENCE, ESTIMATED EXPENSE, \$35.
NO CREDIT
- | | | | | | | | |
|-------|-----|-----|--|--|--|--|-------|
| 30581 | LAB | ARR | | | | | STAFF |
|-------|-----|-----|--|--|--|--|-------|

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

- F S 300 SPECIAL PROBLEMS.
PREREQUISITE: FOR UNDERGRADUATES A MINIMUM GRADE POINT AVERAGE OF 3.5; NOT OPEN TO STUDENTS ON PROBATION; SENIOR STANDING; CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT; SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
*MAXIMUM OF 2 UNITS ALLOWABLE CREDIT.
*1 TO 5 HOURS, OR 3/4 TO 1 1/2 UNITS
*SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.
- | | | | | | | | |
|-------|------|-----|-----|--|--|--|-------|
| 30590 | CONF | A | ARR | | | | STAFF |
| 30603 | CONF | *6B | ARR | | | | STAFF |
- F S 302 FOOD PROCESSING.
PREREQUISITE: CHEM. 133, F. S. 202 AND 301.
FIELD TRIPS.
4 HOURS OR 1 UNIT
- | | | | | | | | |
|-------|------|-----|-------|--|-----|------------|----------------|
| 30611 | LECT | 11 | TU | | 203 | D M B | NELSON AND WEI |
| | | 1 | TU TH | | S | WING H F L | |
| | LAB | 2-5 | TU TH | | S | WING H F L | |
- F S 324 PROBLEMS IN NUTRITION.
SAME AS H. EC. 324.
PREREQUISITE: CHEM. 354 OR 350 AND 355, H. EC. 220, SENIOR STANDING.
3 TO 5 HOURS, OR 1/2 OR 1 UNIT
*ONLY STUDENTS REGISTERING FOR 5 HOURS OR 1 UNIT CREDIT INCLUDE LABORATORY.
- | | | | | | | | | |
|-------|------|-----|------|---|---|-----|----------|---------|
| 30620 | LECT | 8 | M | W | F | 449 | BEV HALL | HASKELL |
| 30638 | LAB | *A | 9-12 | | F | 420 | BEV HALL | |
| 30646 | LAB | *6B | 9-12 | | F | 420 | BEV HALL | |
- F S 332 PRINCIPLES OF SANITATION IN THE PROCESSING AND HANDLING OF FOODS.
PREREQUISITE: MICROBIO. 100, 101 AND CHEM. 102 (NEW).
FIELD TRIPS.
2 HOURS OR 1/2 UNIT
- | | | | | | | | | |
|-------|------|---|---|---|--|------|----------|---------------|
| 30654 | LECT | 1 | M | W | | 316S | M H | ORDAL, WITTER |
| | LAB | 2 | M | W | | 558 | BEV HALL | |

F S 340 INTRODUCTION TO APPLIED STATISTICS.
SAME AS AG. E., AGRON., AN. S., D. S., FOR., HORT., AND
V. M. S. 340.

PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.
4 HOURS OR 3/4 UNIT

30662	LECT		9	TU TH	W109	T H	SEIF
30671	LAB-DISC	1	1-3	M	N107	T H	
30689	LAB-DISC	2	3-5	M	W223	T H	
30697	LAB-DISC	3	1-3	TU	W223	T H	
30701	LAB-DISC	4	3-5	TU	W223	T H	

F S 363 INTRODUCTION TO PROCESS ENGINEERING.

SAME AS CH. E. 363.

FOR STUDENT IN CHEMISTRY, ENGINEERING, AND FOOD SCIENCE, NOT
OPEN TO MAJORS IN CHEMICAL ENGINEERING.

PREREQUISITE: CALCULUS OR CONSENT OF INSTRUCTOR.

3 HOURS OR 3/4 UNIT

30719	LECT		9	M W F	203	O M B	STEINBERG
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COURSES FOR GRADUATES

F S 421 SEMINAR.

REQUIRED OF ALL GRADUATE STUDENTS IN FOOD SCIENCE.

1/4 UNIT

30727	DISC		11	TH	W109	T H	STAFF
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F S 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.

SAME AS AG. E., AGRON., AN. S., D. S., FOR., HORT.,
AND V. M. S. 440.

PREREQUISITE: F. S. 340 OR EQUIVALENT.

3/4 UNIT

30735	LECT		9	M W	W109	T H	SEIF, CARMER
30743	LAB-DISC	1	3-5	TH	W223	T H	AND WALKER
30751	LAB-DISC	2	1-3	F	W121	T H	

F S 499 THESIS RESEARCH.

0 TO 4 UNITS

30760	CONF		ARR				STAFF
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DAIRY TECHNOLOGY

OFFICE

104 O M B

COURSES FOR ADVANCED UNDERGRADUATES

D T 213 TECHNICAL CONTROL OF DAIRY PRODUCTS.

PREREQUISITE: CREDIT OR REGISTRATION IN CHEM. 133.

3 HOURS

30778	LECT-DISC		8	F	203	O M B	TOBIAS
	LAB		8-11	M W	208	O M B	TOBIAS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ALL STUDENTS SPECIALIZING IN DAIRY TECHNOLOGY ARE EXPECTED
TO TAKE AN INSPECTION TRIP EITHER IN THE JUNIOR OR SENIOR YEAR.
THIS TRIP COSTS THE STUDENT ABOUT \$20.

D T 308 DAIRY PLANT MANAGEMENT.

PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR.

3 HOURS OR 3/4 UNIT

30786	LECT-DISC		2	M W F	203	O M B	WILSON
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D T 310 DAIRY PRODUCT PROCESSING, I.

PREREQUISITE: F. S. 201, D. T. 211 AND CREDIT OR REGISTRATION IN
D. T. 213.

4 HOURS OR 1 UNIT

30794	LECT-DISC		11	M W F	203	O M B	TOBIAS
	LAB		8-11	TU TH	208	O M B	HETRICK

COURSES FOR GRADUATES

D T 404 SEMINAR.
 PREREQUISITE: GRADUATE STANDING IN DAIRY TECHNOLOGY.
 *STUDENTS MAY ACCUMULATE ONE-HALF UNIT.
 *0 TO 1/4 UNIT
 30808 DISC ARR STAFF

D T 499 THESIS RESEARCH.
 0 TO 4 UNITS
 30816 CONF ARR STAFF

FORESTRY

DEPARTMENT OFFICE

219 M H

COURSES FOR ADVANCED UNDERGRADUATES

THE FORESTRY COURSES FOR ADVANCED UNDERGRADUATES ARE DESIGNED PRIMARILY FOR STUDENTS WHO ARE CANDIDATES FOR THE PROFESSIONAL DEGREE OF BACHELOR OF SCIENCE IN FORESTRY IN EITHER THE FOREST SCIENCE OR WOOD SCIENCE CURRICULUM. OTHER STUDENTS ARE ADMITTED TO MOST OF THESE COURSES, HOWEVER, IF THEY HAVE THE PREREQUISITES OR THE CONSENT OF THE INSTRUCTOR.

FOR 200 SPECIAL PROBLEMS.
 PREREQUISITE: A MINIMUM GRADE-POINT AVERAGE OF 3.75;
 SENIOR STANDING; CONSENT OF INSTRUCTOR AND HEAD OF
 DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED
 IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD
 SPECIAL PROBLEM COURSE.
 1 TO 3 HOURS
 30824 CONF A ARR
 30832 CONF EB ARR

FOR 222 ADVANCED FOREST MEASUREMENTS.
 PREREQUISITE: FOR. 221, AGRON. 340.
 3 HOURS
 30841 LECT-DISC 1 TU TH 205 F S L YOCOM
 30859 LAB-DISC A 2-5 TU 205 F S L
 30867 LAB-DISC 8 2-5 TH 205 F S L

FOR 232 WOOD UTILIZATION.
 PREREQUISITE: FOR. 231.
 ONE DAY FIELD TRIP. ESTIMATED COST \$3.00.
 3 HOURS
 30875 LECT-DISC 9 M W F 205 F S L WALTERS

FOR 242 FOREST RESOURCES MANAGEMENT.
 PREREQUISITE: SENIOR STANDING; FOR. 222.
 4 HOURS
 30883 LECT-DISC 9 M W F 218 AGR ENG YOCOM
 LAB-DISC 1-4 F 205 F S L

FOR 271 WOOD ANATOMY AND IDENTIFICATION.
 PREREQUISITE: JUNIOR STANDING.
 4 HOURS
 30891 LECT-DISC 8 TU TH W223 T H GUIHER
 LAB-DISC 9-12 TU TH W223 T H

FDR 273 ADHESIVES AND LAMINATES.
 PREREQUISITE: ENROLLMENT IN THE WOOD SCIENCE CURRICULUM OR
 CONSENT OF INSTRUCTOR.
 3 HOURS
 30905 LECT-DISC 9 M W 100 F S L GUIHER
 LAB-DISC 1-4 W 100 F S L

FDR 274 WOOD PRESERVATION.
 3 HOURS
 30913 LECT-DISC 10 TU TH 100 F S L WALTERS
 LAB-DISC 1-4 M 100 F S L

FDR 275 SEMINAR IN WOOD SCIENCE.
 PREREQUISITE: JUNIOR OR SENIOR STANDING IN THE WOOD TECHNOLOGY AND
 UTILIZATION CURRICULUM.
 2 HOURS
 30921 CONF ARR GUIHER AND
 WALTERS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

FDR 340 INTRODUCTION TO APPLIED STATISTICS.
 SAME AS AG. E., AGRON., AN. S., D. S., F. S., HORT., AND
 V. M. S. 340.
 PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.
 4 HOURS OR 3/4 UNIT
 30930 LECT 9 TU TH W109 T H SEIF
 30948 LAB-DISC 1 1-3 M N107 T H
 30956 LAB-DISC 2 3-5 M W223 T H
 30964 LAB-DISC 3 1-3 TU W223 T H
 30972 LAB-DISC 4 3-5 TU W223 T H

COURSES FOR GRADUATES

FDR 400 SEMINAR.
 REQUIRED OF ALL GRADUATE STUDENTS IN FORESTRY.
 *STUDENTS MAY ACCUMULATE 1/2 UNIT.
 *1/4 UNIT
 30981 DISC ARR GRADUATE STAFF

FDR 401 SPECIAL PROBLEMS.
 *NOT MORE THAN ONE UNIT MAY BE OFFERED TOWARD AN M.S. DEGREE.
 *1/2 OR 1 UNIT
 30999 CONF ARR GRADUATE STAFF

FDR 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E., AGRON., AN. S., D. S., F. S., HORT.,
 AND V. M. S. 440.
 PREREQUISITE: FDR. 340 OR EQUIVALENT.
 3/4 UNIT
 31005 LECT 9 M W W109 T H SEIF
 31013 LAB-DISC 1 3-5 TH W223 T H CARMER
 31021 LAB-DISC 2 1-3 F W121 T H WALKER

FDR 499 THESIS RESEARCH.
 1 TO 3 UNITS
 31030 CONF ARR GRADUATE STAFF

FRENCH

DEPARTMENT OFFICE

244 L H

MAJOR: TWO TYPES OF MAJOR PROGRAMS ARE OFFERED: THE MAJOR IN FRENCH LITERATURE AND THE MAJOR IN FRENCH LANGUAGE AND LINGUISTICS. BOTH MAJORS PROVIDE SUITABLE PREPARATION FOR GRADUATE STUDY IN THE APPROPRIATE AREAS. (THE MAJOR IN FRENCH LITERATURE PROVIDES PREPARATION FOR GRADUATE WORK IN FRENCH. THE MAJOR IN FRENCH LANGUAGE AND LINGUISTICS PREPARES FOR GRADUATE WORK IN LINGUISTICS (SEE LINGUISTICS IN GRADUATE COLLEGE BULLETIN), AND PROVIDES PREPARATION FOR GRADUATE WORK IN THE DEPARTMENT OF FRENCH WITH THE ADDITION OF APPROPRIATE COURSES IN FRENCH LITERATURE TO BE DETERMINED BY THE ADVISOR.)

THE MAJOR IN FRENCH LITERATURE MUST COMPLETE FRENCH 201-202 AND SIX SEMESTER COURSES IN FRENCH LITERATURE AT THE 200-LEVEL AND ABOVE, EXCLUDING FRENCH 255-256, WITH THE PROVISION THAT NO MORE THAN TWO COURSES MAY BE CHOSEN FROM THE GROUP 207-208-209. STUDENTS ARE STRONGLY ADVISED TO TAKE A YEARS WORK IN EUROPEAN HISTORY AND A YEARS WORK IN ENGLISH LITERATURE.

THE MAJOR IN FRENCH LANGUAGE AND LINGUISTICS MUST COMPLETE FRENCH 211-212 AND 20 HOURS OF COURSES AT THE 200-LEVEL AND ABOVE, INCLUDING FRENCH 201-202 AND FRENCH 311, 313, 314, AND 316. A MINOR, MINIMUM 8 HOURS, IS STRONGLY RECOMMENDED IN LINGUISTICS OR IN A SECOND FOREIGN LANGUAGE, SUBJECT TO THE PROVISIONS LISTED BELOW UNDER THE MINOR REQUIREMENTS. STUDENTS ARE STRONGLY ADVISED TO TAKE LINGUISTICS 300, INTRODUCTION TO LINGUISTICS.

STUDENTS WHO INTEND TO TEACH FRENCH IN SECONDARY SCHOOLS ARE REFERRED TO THE STATEMENT OF REQUIREMENTS UNDER TEACHER EDUCATION CURRICULA IN THE BULLETIN ON UNDERGRADUATE STUDY.

MINORS: TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, EXCLUDING THE FIRST TWO SEMESTERS OF MODERN FOREIGN LANGUAGE AND RHETORIC 101 AND 102, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT IF TWO ARE CHOSEN: EDUCATION, ENGLISH, GERMAN, GREEK, HISTORY, HUMANITIES, ITALIAN, LATIN, LIBRARY SCIENCE, LINGUISTICS, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, SPANISH, OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC, NOT INCLUDING APPLIED MUSIC, COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. WITH THE WRITTEN APPROVAL OF THE DEPARTMENT ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED.

SEQUENCE OF COURSES: STUDENTS WITH NO PREVIOUS CREDIT IN FRENCH REGISTER IN FRENCH 101. ENTERING STUDENTS WHO HAVE CREDIT IN FRENCH FROM HIGH SCHOOL MUST REGISTER IN THE COURSE INDICATED BY THE PLACEMENT TEST. STUDENTS WITH CREDIT FROM OTHER UNIVERSITIES REGISTER AS FOLLOWS: THOSE WITH ONE SEMESTER REGISTER IN FRENCH 102; WITH TWO SEMESTERS, IN FRENCH 103; WITH THREE SEMESTERS, IN FRENCH 104. STUDENTS WITH CREDITS IN HIGH SCHOOL FRENCH WHOSE PLACEMENT SCORE PUTS THEM BEYOND 104 AND STUDENTS WITH FOUR SEMESTERS OF COLLEGE FRENCH TAKEN ELSEWHERE MAY REGISTER IN THE 200-LEVEL COURSES BUT MUST CHOOSE A STARRED SECTION IF REGISTERING FOR FRENCH 211.

REGISTRATION IN REGULAR SECTIONS OF 102 IS RESTRICTED TO STUDENTS WITH CREDIT IN FRENCH FROM THE UNIVERSITY OF ILLINOIS WHO HAVE RECEIVED A GRADE OF C OR HIGHER; IN REGULAR SECTIONS OF FRENCH 211 TO STUDENTS WHO HAVE RECEIVED A GRADE OF B OR HIGHER.

COURSES FOR UNDERGRADUATES

FR 101 ELEMENTARY COURSE, I.
 FOR STUDENTS WHO HAVE NO CREDIT IN FRENCH.
 NO CREDIT TOWARD GRADUATION IS GIVEN FOR FR. 101 WITHOUT FR. 102.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR
 PERIODS IN THE LANGUAGE LABORATORY SELECTING ONE SECTION FROM THE
 T3 TO T22 SECTIONS.

31048	LECT-DISC	A	8	MTU THF	302	L H
31056	LECT-DISC	B	9	MTU THF	331	ARMORY
31064	LECT-DISC	C1	10	MTU THF	302	L H
31072	LECT-DISC	C2	10	MTU THF	206	H H
31081	LECT-DISC	D	11	MTU THF	302	L H
31099	LECT-DISC	X	12	MTU THF	204N	H H
31102	LECT-DISC	E	1	MTU THF	204N	H H
31111	LECT-DISC	F	2	MTU THF	204N	H H
31129	LAB	T3	8-830	TU F	202	L H
31137	LAB	T4	830-9	TU F	202	L H
31145	LAB	T5	9-930	TU F	202	L H
31153	LAB	T6	930-10	TU F	202	L H
31161	LAB	T7	10-1030	TU F	202	L H
31170	LAB	T8	1030-11	TU F	202	L H
31188	LAB	T9	11-1130	TU F	202	L H
31196	LAB	T10	1130-12	TU F	202	L H
31200	LAB	T11	12-1230	TU F	202	L H
31218	LAB	T12	1230-1	TU F	202	L H
31226	LAB	T13	1-130	TU F	202	L H
31234	LAB	T14	130-2	TU F	202	L H
31242	LAB	T15	2-230	TU F	202	L H
31251	LAB	T16	230-3	TU F	202	L H
31269	LAB	T17	3-330	TU F	202	L H
31277	LAB	T18	330-4	TU F	202	L H
31285	LAB	T19	4-430	TU F	202	L H
31293	LAB	T20	430-5	TU F	202	L H
31307	LAB	T21	5-530	TU F	202	L H
31315	LAB	T22	530-6	TU F	202	L H

FR 102 ELEMENTARY COURSE, II.
 PREREQUISITE: FR. 101 OR ONE YEAR OF HIGH SCHOOL FRENCH.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR
 PERIODS IN THE LANGUAGE LABORATORY SELECTING ONE SECTION FROM THE
 T3 TO T22 SECTIONS.
 ENROLLMENT IN SECTION 6E1 IS RESTRICTED TO JAMES SCHOLARS AND
 STUDENTS WHO RECEIVED A GRADE OF A IN FR. 101.
 REGISTRATION IN LECTURE-DISCUSSION/LAB COMBINATION SECTION F2P IS
 LIMITED TO STUDENTS WHO HAVE PREVIOUSLY BEEN ENROLLED IN A PLATO
 SECTION.

31323	LECT-DISC	A1	8	MTU THF	216	L H
31331	LECT-DISC	A2	8	MTU THF	206	H H
31340	LECT-DISC	A3	8	MTU THF	309A	H H
31358	LECT-DISC	B1	9	MTU THF	390	L H
31366	LECT-DISC	B2	9	MTU THF	309A	H H
31374	LECT-DISC	B3	9	MTU THF	301	N L
31382	LECT-DISC	C1	10	MTU THF	309A	H H
31391	LECT-DISC	C2	10	MTU THF	301	N L
31404	LECT-DISC	C3	10	MTU THF	303	N L
31412	LECT-DISC	D1	11	MTU THF	390	L H
31421	LECT-DISC	D2	11	MTU THF	309A	H H
31439	LECT-DISC	D3	11	MTU THF	301	N L
31447	LECT-DISC	X1	12	MTU THF	206	H H
31455	LECT-DISC	X2	12	MTU THF	309A	H H
31731	LECT-DISC	6E1	1	MTU THF	206	H H
31463	LECT-DISC	E2	1	MTU THF	309A	H H
31471	LECT-DISC	E3	1	MTU THF	301	N L
31480	LECT-DISC	F1	2	MTU THF	206	H H
31498	LECT-DISC	G1	3	MTU THF	206	H H
31501	LECT-DISC	G2	3	MTU THF	309A	H H
31510	LECT-DISC	H1	4	MTU THF	206	H H
31528	LECT-DISC	H2	4	MTU THF	309A	H H
31749	LECT-DISC	F2P	2	MTU THF	309A	H H
	LAB	F2P	10	W	257	E R L
		F2P	9	S	257	E R L

PLATO
 PLATO
 PLATO

FR	102	CONTINUED					
	31536	LAB	T3	8-830	TU	F	202 L H
	31544	LAB	T4	830-9	TU	F	202 L H
	31552	LAB	T5	9-930	TU	F	202 L H
	31561	LAB	T6	930-10	TU	F	202 L H
	31579	LAB	T7	10-1030	TU	F	202 L H
	31587	LAB	T8	1030-11	TU	F	202 L H
	31595	LAB	T9	11-1130	TU	F	202 L H
	31609	LAB	T10	1130-12	TU	F	202 L H
	31617	LAB	T11	12-1230	TU	F	202 L H
	31625	LAB	T12	1230-1	TU	F	202 L H
	31633	LAB	T13	1-130	TU	F	202 L H
	31641	LAB	T14	130-2	TU	F	202 L H
	31650	LAB	T15	2-230	TU	F	202 L H
	31668	LAB	T16	230-3	TU	F	202 L H
	31676	LAB	T17	3-330	TU	F	202 L H
	31684	LAB	T18	330-4	TU	F	202 L H
	31692	LAB	T19	4-430	TU	F	202 L H
	31706	LAB	T20	430-5	TU	F	202 L H
	31714	LAB	T21	5-530	TU	F	202 L H
	31722	LAB	T22	530-6	TU	F	202 L H

FR 103 MODERN FRENCH, I.
 PREREQUISITE: FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY SELECTING ONE SECTION FROM THE M3 TO M26 SECTIONS.
 ENROLLMENT IN 6F2 IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO RECEIVED A GRADE OF A IN FRENCH 102.
 REGISTRATION IN LECTURE-DISCUSSION/LAB COMBINATION SECTION F1P IS LIMITED TO STUDENTS WHO HAVE PREVIOUSLY BEEN ENROLLED IN A PLATO SECTION.

31757	LECT-DISC	A1	8	MTU THF	303	N L
31765	LECT-DISC	A2	8	MTU THF	301	N L
31773	LECT-DISC	B1	9	MTU THF	303	N L
31781	LECT-DISC	B2	9	MTU THF	113	D K H
31790	LECT-DISC	C	10	MTU THF	3	G H
31803	LECT-DISC	D	11	MTU THF	303	N L
31811	LECT-DISC	X1	12	MTU THF	216	L H
31820	LECT-DISC	X2	12	MTU THF	301	N L
31838	LECT-DISC	E1	1	MTU THF	303	N L
31846	LECT-DISC	E2	1	MTU THF	113	D K H
31854	LECT-DISC	*6F2	2	MTU THF	301	N L
31862	LECT-DISC	G	3	MTU THF	303	N L
32094	LECT-DISC	F1P	2	MTU THF	303	N L
	LAB	F1P	10	M	S	257 E R L
31871	LAB	M3	8-830	M W	210	L H
31889	LAB	M4	830-9	M W	210	L H
31897	LAB	M5	9-930	M W	210	L H
31901	LAB	M6	930-10	M W	210	L H
31919	LAB	M7	10-1030	M W	210	L H
31927	LAB	M8	1030-11	M W	210	L H
31935	LAB	M9	11-1130	M W	210	L H
31943	LAB	M10	1130-12	M W	210	L H
31951	LAB	M11	12-1230	M W	210	L H
31960	LAB	M12	1230-1	M W	210	L H
31978	LAB	M13	1-130	M W	210	L H
31986	LAB	M14	130-2	M W	210	L H
31994	LAB	M15	2-230	M W	210	L H
32001	LAB	M16	230-3	M W	210	L H
32019	LAB	M17	3-330	M W	210	L H
32027	LAB	M18	330-4	M W	210	L H
32035	LAB	M19	4-430	M W	210	L H
32043	LAB	M20	430-5	M W	210	L H
32051	LAB	M21	5-530	M W	210	L H
32060	LAB	M22	530-6	M W	210	L H
32078	LAB	M25	7-730PM	M W	210	L H
32086	LAB	M26	730-8PM	M W	210	L H

PLATO
PLATO

FR	104	MODERN FRENCH, II. PREREQUISITE: FR. 103 OR THREE YEARS OF HIGH SCHOOL FRENCH. 4 HOURS ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY SELECTING ONE SECTION FROM THE T3 TO T22 SECTIONS. *ENROLLMENT IN SECTION 8D2 IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO RECEIVED A GRADE OF A IN FR. 103. REGISTRATION IN LECTURE-DISCUSSION/LAB COMBINATION SECTION E2P IS LIMITED TO STUDENTS WHO HAVE PREVIOUSLY BEEN ENROLLED IN A PLATO SECTION.						
	32116	LECT-DISC	A1	8	MTU THF	219	G H	
	32124	LECT-DISC	A2	8	MTU THF	262	L H	
	32132	LECT-DISC	B1	9	MTU THF	219	G H	
	32141	LECT-DISC	C1	10	MTU THF	219	G H	
	32159	LECT-DISC	D1	11	MTU THF	219	G H	
	32442	LECT-DISC	*8D2	11	MTU THF	262	L H	
	32167	LECT-DISC	X1	12	MTU THF	219	G H	
	32175	LECT-DISC	X2	12	MTU THF	262	L H	
	32183	LECT-DISC	E1	1	MTU THF	219	G H	
	32191	LECT-DISC	F1	2	MTU THF	219	G H	
	32205	LECT-DISC	F2	2	MTU THF	262	L H	
	32213	LECT-DISC	G	3	MTU THF	219	G H	
	32221	LECT-DISC	H	4	MTU THF	219	G H	
	32230	LECT-DISC	E2P	1	MTU THF	262	L H	
		LAB	E2P	3	TH	257	E R L	PLATO
			E2P	11	S	257	E R L	PLATO
	32248	LAB	T3	8-830	TU F	202	L H	
	32256	LAB	T4	830-9	TU F	202	L H	
	32264	LAB	T5	9-930	TU F	202	L H	
	32272	LAB	T6	930-10	TU F	202	L H	
	32281	LAB	T7	10-1030	TU F	202	L H	
	32299	LAB	T8	1030-11	TU F	202	L H	
	32302	LAB	T9	11-1130	TU F	202	L H	
	32311	LAB	T10	1130-12	TU F	202	L H	
	32329	LAB	T11	12-1230	TU F	202	L H	
	32337	LAB	T12	1230-1	TU F	202	L H	
	32345	LAB	T13	1-130	TU F	202	L H	
	32353	LAB	T14	130-2	TU F	202	L H	
	32361	LAB	T15	2-230	TU F	202	L H	
	32370	LAB	T16	230-3	TU F	202	L H	
	32388	LAB	T17	3-330	TU F	202	L H	
	32396	LAB	T18	330-4	TU F	202	L H	
	32400	LAB	T19	4-430	TU F	202	L H	
	32418	LAB	T20	430-5	TU F	202	L H	
	32426	LAB	T21	5-530	TU F	202	L H	
	32434	LAB	T22	530-6	TU F	202	L H	
FR	106	INTENSIVE INTERMEDIATE FRENCH. PREREQUISITE: FR. 102 OR 105 OR EQUIVALENT. 8 HOURS						
	32451	LECT-DISC		8-10	MTU THF	374	L H	
FR	108	READING IN FRENCH. PREREQUISITE: FR. 107. 3 HOURS						
	32469	LECT-DISC		11	M W F	236	L H	
FR	111	CONVERSATIONAL FRENCH. PREREQUISITE: FR. 103 OR A PLACEMENT SCORE SHOWING HIGH SCHOOL 4 HOURS						
	86632	LECT-DISC		12	MTU THF	308	L H	
FR	113	CONVERSATIONAL PRACTICE. PREREQUISITE: FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH, CONCURRENT REGISTRATION IN FR. 103 OR 104. 1 HOUR ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR LANGUAGE LABORATORY PERIODS SELECTING ONE SECTION FROM THE M3 TO M26 SECTIONS.						
	32477	LECT-DISC	B	9	TU TH	308	L H	
	32485	LECT-DISC	E	1	TU TH	308	L H	

FR	113	CONTINUED					
	32493	LAB	M3	8-830	M W	210	L H
	32507	LAB	M4	830-9	M W	210	L H
	32515	LAB	M5	9-930	M W	210	L H
	32523	LAB	M6	930-10	M W	210	L H
	32531	LAB	M7	10-1030	M W	210	L H
	32540	LAB	M8	1030-11	M W	210	L H
	32558	LAB	M9	11-1130	M W	210	L H
	32566	LAB	M10	1130-12	M W	210	L H
	32574	LAB	M11	12-1230	M W	210	L H
	32582	LAB	M12	1230-1	M W	210	L H
	32591	LAB	M13	1-130	M W	210	L H
	32604	LAB	M14	130-2	M W	210	L H
	32612	LAB	M15	2-230	M W	210	L H
	32621	LAB	M16	230-3	M W	210	L H
	32639	LAB	M17	3-330	M W	210	L H
	32647	LAB	M18	330-4	M W	210	L H
	32655	LAB	M19	4-430	M W	210	L H
	32663	LAB	M20	430-5	M W	210	L H
	32671	LAB	M21	5-530	M W	210	L H
	32680	LAB	M22	530-6	M W	210	L H
	32698	LAB	M25	7-730PM	M W	210	L H
	32701	LAB	M26	730-8PM	M W	210	L H

FR 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 32710 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

FR 201 INTRODUCTION TO FRENCH LITERATURE, I.
 PREREQUISITE: FR. 104 OR 106 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
 3 HOURS
 *ENROLLMENT IN GE IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO
 RECEIVED A GRADE OF A IN FRENCH 104.
 32728 LECT-DISC B 9 M W F 262 L H
 32736 LECT-DISC D 11 M W F 374 L H
 32752 LECT-DISC *GE 1 M W F 390 L H
 32744 LECT-DISC F 2 M W F 390 L H

FR 202 INTRODUCTION TO FRENCH LITERATURE, II.
 PREREQUISITE: FR. 104 OR 106 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
 3 HOURS
 *ENROLLMENT IN GE IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO
 RECEIVED A GRADE OF A IN FRENCH 201.
 32761 LECT-DISC B 9 M W F 302 L H
 32779 LECT-DISC C 10 M W F 390 L H
 32787 LECT-DISC D 11 M W F 3 G H
 32809 LECT-DISC *GE 1 M W F 3 G H
 32795 LECT-DISC F 2 M W F 3 G H

FR 203 SELECTIONS IN CONTEMPORARY FRENCH LITERATURE.
 PREREQUISITE: FR. 201 AND 202, OR EQUIVALENT.
 2 HOURS
 *DOES NOT MEET DURING THE PERIOD TEACHER TRAINING MAJORS ARE OFF
 CAMPUS.
 32817 LECT-DISC 3 M W F 390 L H V. BOWEN

FR 209 STUDIES IN FRENCH POETRY.
 PREREQUISITE: FR. 201 AND 202, OR EQUIVALENT.
 3 HOURS
 32825 LECT-DISC 3 TU TH 390 L H VIENS

FR 211 ORAL FRENCH, I
 PREREQUISITE: FR. 104 OR 106, OR 103 AND 113, OR FOUR YEARS OF HIGH SCHOOL FRENCH. PRACTICE IN LANGUAGE LABORATORY IS REQUIRED.
 3 HOURS
 *REGISTRATION IN SECTIONS MEETING THREE TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 104 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF B OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FOUR HOURS WEEKLY.
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR LANGUAGE LABORATORY PERIODS SELECTING ONE SECTION FROM THE M3 TO M26 SECTIONS.
 ENROLLMENT IN SECTION 6F IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO RECEIVED A GRADE OF A IN FRENCH 104.

32833	LECT-DISC	A	8	M W F	236	L H
33103	LECT-DISC	*B1	9	MTU THF	206	H H
32841	LECT-DISC	B2	9	M W F	362	ARMORY
32850	LECT-DISC	C	10	M W F	362	ARMORY
33111	LECT-DISC	*D1	11	MTU THF	331	ARMORY
32868	LECT-DISC	D2	11	M W F	362	ARMORY
33120	LECT-DISC	*E	1	MTU THF	362	ARMORY
32876	LECT-DISC	6F	2	M W F	216	L H
32884	LAB	M3	8-830	M W	210	L H
32892	LAB	M4	830-9	M W	210	L H
32906	LAB	M5	9-930	M W	210	L H
32914	LAB	M6	930-10	M W	210	L H
32922	LAB	M7	10-1030	M W	210	L H
32931	LAB	M8	1030-11	M W	210	L H
32949	LAB	M9	11-1130	M W	210	L H
32957	LAB	M10	1130-12	M W	210	L H
32965	LAB	M11	12-1230	M W	210	L H
32973	LAB	M12	1230-1	M W	210	L H
32981	LAB	M13	1-130	M W	210	L H
32990	LAB	M14	130-2	M W	210	L H
33006	LAB	M15	2-230	M W	210	L H
33014	LAB	M16	230-3	M W	210	L H
33022	LAB	M17	3-330	M W	210	L H
33031	LAB	M18	330-4	M W	210	L H
33049	LAB	M19	4-430	M W	210	L H
33057	LAB	M20	430-5	M W	210	L H
33065	LAB	M21	5-530	M W	210	L H
33073	LAB	M22	530-6	M W	210	L H
33081	LAB	M25	7-730PM	M W	210	L H
33090	LAB	M26	730-8PM	M W	210	L H

FR 212 ORAL FRENCH, II
 PREREQUISITE--FR. 211
 3 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR LANGUAGE LABORATORY PERIODS SELECTING ONE SECTION FROM THE M3 TO M26 SECTIONS.
 *ENROLLMENT IN SECTION 6E1 IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO RECEIVED A GRADE OF A IN FRENCH 211.

33138	LECT-DISC	A	8	M W F	204N	H H
33146	LECT-DISC	B	9	M W F	204N	H H
33154	LECT-DISC	C1	10	M W F	331	ARMORY
33162	LECT-DISC	C2	10	M W F	204N	H H
33171	LECT-DISC	D1	11	M W F	204N	H H
33189	LECT-DISC	O2	11	M W F	206	H H
33197	LECT-DISC	X	12	M W F	236	L H
33456	LECT-DISC	*6E1	1	M W F	325	G H
33201	LECT-DISC	E2	1	M W F	331	ARMORY
33219	LECT-DISC	F	2	M W F	325	G H
33227	LECT-DISC	G	3	M W F	325	G H
33235	LECT-DISC	H	4	M W F	325	G H

FR	212	CONTINUED						
	33243	LAB	M3	8-830	M W	210	L H	
	33251	LAB	M4	830-9	M W	210	L H	
	33260	LAB	M5	9-930	M W	210	L H	
	33278	LAB	M6	930-10	M W	210	L H	
	33286	LAB	M7	10-1030	M W	210	L H	
	33294	LAB	M8	1030-11	M W	210	L H	
	33308	LAB	M9	11-1130	M W	210	L H	
	33316	LAB	M10	1130-12	M W	210	L H	
	33324	LAB	M11	12-1230	M W	210	L H	
	33332	LAB	M12	1230-1	M W	210	L H	
	33341	LAB	M13	1-130	M W	210	L H	
	33359	LAB	M14	130-2	M W	210	L H	
	33367	LAB	M15	2-230	M W	210	L H	
	33375	LAB	M16	230-3	M W	210	L H	
	33383	LAB	M17	3-330	M W	210	L H	
	33391	LAB	M18	330-4	M W	210	L H	
	33405	LAB	M19	4-430	M W	210	L H	
	33413	LAB	M20	430-5	M W	210	L H	
	33421	LAB	M21	5-530	M W	210	L H	
	33430	LAB	M25	7-730PM	M W	210	L H	
	33448	LAB	M26	730-8PM	M W	210	L H	
FR	213	COMPOSITION, I.						
	PREREQUISITE: FR. 104 OR 106 OR FOUR YEARS OF HIGH SCHOOL FRENCH.							
	2 HOURS							
	33464	LECT-DISC	A	8	TU TH	308	L H	
	33472	LECT-DISC	C	10	TU TH	374	L H	
	33481	LECT-DISC	E	1	TU TH	325	G H	
FR	214	COMPOSITION, II.						
	PREREQUISITE: FR. 213.							
	2 HOURS							
	33499	LECT-DISC	B	9	TU TH	302	L H	
	33502	LECT-DISC	D	11	TU TH	374	L H	
	33511	LECT-DISC	F	2	TU TH	325	G H	
FR	215	INTENSIVE COMPOSITION.						
	PREREQUISITE: FR. 104 OR 106, OR FOUR YEARS OF HIGH SCHOOL FRENCH.							
	4 HOURS							
	33529	LECT-DISC		3	MTU THF	302	L H	JENKINS
FR	217	ADVANCED ORAL FRENCH.						
	PREREQUISITE: FR. 212.							
	4 HOURS							
	33537	LECT-DISC	A	8-10	MTU THF	325	G H	
	33545	LECT-DISC	C	10-12	MTU THF	325	G H	
	33553	LECT-DISC	F	2-4	MTU THF	236	L H	
FR	220	SIXTEENTH CENTURY LITERATURE.						
	PREREQUISITE: FR. 201 AND 202 OR EQUIVALENT.							
	3 HOURS							
	33561	LECT-DISC		11	TU TH	118	L H	8 BOWEN
FR	224	FRENCH LITERATURE OF THE SEVENTEENTH CENTURY, II.						
	3 HOURS							
	33570	LECT-DISC		10	TU TH	390	L H	SAVIGNON
FR	231	FRENCH LITERATURE OF THE NINETEENTH CENTURY, II: REALISM AND NATURALISM.						
	PREREQUISITE: FR. 201 AND 202.							
	3 HOURS							
	*DOES NOT MEET DURING THE PERIOD TEACHER TRAINING MAJORS ARE OFF CAMPUS.							
	33588	LECT-DISC		*10	M W F	236	L H	SHINALL
FR	234	FRENCH LITERATURE OF THE CONTEMPORARY PERIOD, II.						
	3 HOURS							
	33596	LECT-DISC		1	TU TH	3	G H	PRICE

FR 262 FRENCH ABROAD, II.
 PREREQUISITE: FR. 261.
 0 TO 15 HOURS
 SECTION A IS FOR ADVANCED WORK IN LITERATURE, 6 HOURS. SECTION B
 IS FOR ADVANCED WORK IN LANGUAGE, 6 HOURS. SECTION C IS FOR
 WORK IN CIVILIZATION, 3 HOURS.

33600	LECT	A	ARR			
33618	LECT	B	ARR			
33626	LECT	C	ARR			

FR 282 TEACHERS COURSE.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN FRENCH.
 PREREQUISITE: FR. 201 AND 202, OR 211 AND 212.
 2 HOURS
 DOES NOT MEET DURING THE PERIOD TEACHER-TRAINING MAJORS
 ARE OFF CAMPUS.

33634	LECT-DISC		2	M W F	302	L H
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FR 299 FRENCH SENIOR SEMINAR.
 PREREQUISITE: FR. 261 AND 262 OR EQUIVALENT; CONSENT OF DEPARTMENT
 HEAD.
 *MAY BE REPEATED FOR CREDIT.
 *3 HOURS

33642	LECT-DISC	M	10-12	TU	236	L H	VELAN
33651	LECT-DISC	S	2-4	W	236	L H	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES
 NOTE: ALL ADVANCED UNDERGRADUATE COURSES IN FRENCH EXCEPT
 FR. 382 HAVE THE FOLLOWING PREREQUISITE: FR. 201 AND 202
 OR EQUIVALENT.

FR 311 DICTION.
 IT IS RECOMMENDED THAT FR. 311 AND 313 BE TAKEN CONCURRENTLY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT

33669	LECT-DISC	C	10	TU TH	308	L H
33677	LECT-DISC	E	1	TU TH	216	L H
33685	LECT-DISC	F	2	TU TH	216	L H

FR 314 SYNTAX.
 PREREQUISITE: FR. 213 AND 214, OR 215, OR EQUIVALENT.
 3 HOURS OR 3/4 UNIT

33693	LECT-DISC	D	11	M W F	308	L H
33707	LECT-DISC	F	2	M W F	374	L H

FR 315 STYLISTICS.
 PREREQUISITE: FR. 314.
 3 HOURS OR 3/4 UNIT

33715	LECT-DISC		1	M W F	308	L H	G LAPREVOTTE
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FR 316 STRUCTURE OF THE FRENCH LANGUAGE.
 SAME AS LING. 316.
 PREREQUISITE: FR. 313 OR EQUIVALENT TRAINING IN PHONETICS.
 3 HOURS OR 3/4 UNIT

33723	LECT-DISC		10	M W F	374	L H	JENKINS
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FR 336 FRENCH CIVILIZATION, II.
 3 HOURS OR 3/4 UNIT
 *DOES NOT MEET DURING THE PERIOD TEACHER TRAINING MAJORS ARE
 OFF CAMPUS.

33731	LECT-DISC	*B	9	MTWTHF	236	L H	SAVIGNON
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FR 342 LECTURES DE PROUST, II: A LA RECHERCHE DU TEMPS PERDU.
 PREREQUISITE: FR. 341 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 3/4 UNIT

33740	LECT-DISC		3	M W	429	LI8	KOLB
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FR 382 LANGUAGE LABORATORY TECHNIQUES.
 SAME AS GER., SLAV., AND SPAN. 382.
 PREREQUISITE: THREE YEARS OF MODERN FOREIGN LANGUAGE AT THE
 COLLEGE LEVEL, OR THE EQUIVALENT.
 2 HOURS OR 1/2 UNIT

33758	LECT-DISC		1	M W	236	L H	NACHTMANN
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COURSES FOR GRADUATES

FR	400	BEGINNING FRENCH FOR GRADUATE STUDENTS.							
		4 HOURS							
	33766	LECT-DISC A	8	MTU THF	390	L H			
	33774	LECT-DISC X	12	MTU THF	390	L H			
	33782	LECT-DISC H	4	MTU THF	390	L H			
FR	401	READING FRENCH FOR GRADUATE STUDENTS.							
		PREREQUISITE: FR. 400, OR FR. 101 AND 102, OR EQUIVALENT.							
		4 HOURS							
	33791	LECT-DISC A	8	MTU THF	3	G H			
	33804	LECT-DISC B	9	MTU THF	3	G H			
	33812	LECT-DISC X	12	MTU THF	3	G H			
FR	406	RESEARCH METHODS.							
		1/4 OR 1/2 UNIT							
	33821	LECT-DISC	1	TH	116	L H		PRICE	
FR	425	EXPLICATION DE TEXTES, I.							
		PREREQUISITE: GRADUATE STANDING IN FRENCH.							
		1 UNIT							
	33839	LECT-DISC	3-5	TU	308	L H		N. LAPREVOTTE	
FR	436	STUDIES IN SEVENTEENTH CENTURY FRENCH LITERATURE, II.							
		PREREQUISITE: GRADUATE STANDING IN FRENCH.							
		1 UNIT							
	33847	LECT-DISC	2	TU TH	302	L H		DELEY	
FR	438	STUDIES IN EIGHTEENTH CENTURY FRENCH LITERATURE, II.							
		1 UNIT							
	33855	LECT-DISC	4-6	W	236	L H		JUST	
FR	439	STUDIES IN NINETEENTH CENTURY FRENCH LITERATURE, I.							
		1 UNIT							
	33863	LECT-DISC	1	TU TH	236	L H		TALBOT	
FR	450	HISTORICAL FRENCH GRAMMAR.							
		PREREQUISITE: FR. 449; AN ELEMENTARY KNOWLEDGE OF LATIN.							
		1 UNIT							
	33871	LECT-DISC	1	M W F	429	L B		KNUDSON	
FR	470	SEMINAR IN OLD FRENCH LITERATURE.							
		PREREQUISITE: FR. 450.							
		*COURSE MAY BE REPEATED FOR CREDIT.							
		*1 UNIT							
		TOPIC: LES CHANSONS DE GESTES.							
	33880	LECT-DISC	3-5	TU	429	L B		KNUDSON	
FR	471	SEMINAR IN SIXTEENTH CENTURY FRENCH LITERATURE.							
		*COURSE MAY BE REPEATED FOR CREDIT.							
		*1 UNIT							
		TOPIC: MONTAIGNE.							
	33898	LECT-DISC	4-6	F	308	L H		B BOWEN	
FR	472	SEMINAR IN SEVENTEENTH CENTURY FRENCH LITERATURE.							
		*COURSE MAY BE REPEATED FOR CREDIT.							
		*1 UNIT							
		TOPIC: PASCAL.							
	33901	LECT-DISC	3-5	W	308	L H		NELSON	
FR	473	SEMINAR IN EIGHTEENTH CENTURY FRENCH LITERATURE.							
		*COURSE MAY BE REPEATED FOR CREDIT.							
		*1 UNIT							
		TOPIC: DIDEROT.							
	33910	LECT-DISC	4-6	TH	429	L B		V BOWEN	

FR 474 SEMINAR IN NINETEENTH CENTURY FRENCH LITERATURE.
 *COURSE MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 TOPIC: FLAUBERT.
 33928 LECT-DISC 9-11 W 308 L H VELAN

FR 479 SEMINAR IN FRENCH LITERATURE.
 *COURSE MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 TOPIC: THEME AND STYLE IN RENAISSANCE AND MODERN LITERATURE.
 33936 LECT-DISC 4-6 M 429 LIB GRAY, B BOWEN

FR 491 INDIVIDUAL TOPICS.
 PREREQUISITE: GRADUATE STANDING WITH A MAJOR OR MINOR IN FRENCH.
 1/4 TO 1 UNIT
 33944 CONF ARR

FR 499 THESIS RESEARCH.
 0 TO 4 UNITS
 33952 CONF ARR

GENERAL EDUCATION

STUDENTS WHO ENTER THE GENERAL CURRICULUM IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES OR WHO ENTER OTHER SCHOOLS AND SUBSEQUENTLY TRANSFER TO THE COLLEGE ARE REQUIRED TO COMPLETE AT LEAST ONE APPROVED SEQUENCE IN EACH OF THESE AREAS: HUMANITIES, BIOLOGICAL SCIENCE, PHYSICAL SCIENCE, AND SOCIAL SCIENCE.

THE FOLLOWING SEQUENCES HAVE BEEN APPROVED.

BIOLOGICAL SCIENCE

BIOL 100, 101
 PHYS 103 OR 203, PSYCH 103
 OR ANY EIGHT HOURS OF COURSES OFFERED BY THE SCHOOL OF LIFE SCIENCES.
 RECOMMENDED COURSES ARE: MCBIO 100 AND 101
 BOT 100 OR 101 PHYS 103 OR 203
 ENTOM 103 ZOOL 104

HUMANITIES

A SIX HOUR SEQUENCE IN ONE FOREIGN LITERATURE AT THE 200 AND 300 LEVEL (NOT LANGUAGE COURSES).

ART 111, 112, PLUS EITHER A 300 COURSE IN HISTORY OF ART OR PHIL 323	ENGL 338, 339, 340 (ANY TWO OF THESE THREE COURSES)
CLCIV 301, 302	HIST 131, 132
LA S 161, 162	HIST 191, 192
ENGL 101, 102, 103	HIST 323, 324
ENGL 115, 116 PLUS EITHER 131	HUMAN 151, 152
OR AN ADVANCED COURSE INVOLVING THE STUDY OF LITERATURE IN DEPTH (255, 256, 258, 370, 387, AND 388 ARE EXCLUDED).	HUMAN 201, 202
ENGL 195, 196	HUMAN 211, 212
ENGL 251, 252, 253, 287 (ANY TWO OR THREE OF THE FOUR COURSES)	HUMAN 215, 216
	HUMAN 363, 364
	MUSIC 130, 131
	PHIL 101, 102, 105
	PHIL 303, 306
	RUSS 115, 116
	SPEECH 177, 178

PHYSICAL SCIENCE

ASTR 101, 102	MATH 118, 119 OR ANY
CHEM, ANY 8 HOURS	OTHER 8 HOUR SEQUENCE
L A S 141, 142	NOT INCLUDING MATH. 118.
GEOG 102, 103	PHYS, ANY 8 HOURS
GEOL 101, 102	

SOCIAL SCIENCE

ANTH 102, 103	HIST 191, 192
L A S 121, 122	HIST 260, 261, 262
	LAS 174 AND ANY
ECON 108 AND	ONE OF THE FOLLOWING:
ANY ONE OR TWO OF THE	ANTH 100, POL S 150,
FOLLOWING COURSES:	SOC 100
ECON 214, 228, 240,	PHIL 103, 104
250, 255, 288	POL S 184, 191
GEOG 104, 105	POL S 191, 192
HIST 111, 112	PSYCH 100, 201
HIST 151, 152	SOC 100, 218
	SOC 151, 152

GENERAL ENGINEERING

DEPARTMENT OFFICE

117 T B

COURSES FOR UNDERGRADUATES

G E	101	ENGINEERING GRAPHICAL COMMUNICATION.						
		PREREQUISITE: PLANE GEOMETRY.						
		*CREDIT IS NOT GIVEN FOR G. E. 101 IN ADDITION TO G. E. 103						
		DR G. E. 105.						
		*3 HOURS						
	33961	LAB-DISC	87	10-12	M W F	201	T B	
G E	103	ENGINEERING GRAPHICS, I.						
		*CREDIT IS NOT GIVEN FOR G. E. 103 IN ADDITION TO G. E. 101 OR 105.						
		*3 HOURS						
	33979	LAB-DISC	A2	8-10	M W F	303	T B	
	33987	LAB-DISC	A6	8-10	M W F	316	T B	
	33995	LAB-DISC	A11	8-10	M W F	114	T B	
	34001	LAB-DISC	B2	10-12	M W F	303	T B	
	34010	LAB-DISC	B6	10-12	M W F	316	T B	
	34028	LAB-DISC	B11	10-12	M W F	114	T B	
	34036	LAB-DISC	C1	1-3	M W F	302	T B	
	34044	LAB-DISC	C6	1-3	M W F	316	T B	
	34052	LAB-DISC	C7	1-3	M W F	201	T B	
	34061	LAB-DISC	D2	3-5	M W F	303	T B	
	34079	LAB-DISC	D6	3-5	M W F	316	T B	
	34087	LAB-DISC	D11	3-5	M W F	114	T B	
	34095	LAB-DISC	E11	8-10	TU TH S	114	T B	
	34109	LAB-DISC	F11	10-12	TU TH S	114	T B	
	34117	LAB-DISC	EG6	1-4	TU TH	316	T B	
G E	104	ENGINEERING GRAPHICS, II.						
		PREREQUISITE: G. E. 103 OR EQUIVALENT.						
		3 HOURS						
		*STUDENTS IN SECTION F3 WILL WORK WITH STUDENTS IN G. E. 242.						
	34125	LAB-DISC	C2	1-3	M W F	303	T B	
	34133	LAB-DISC	C3	1-3	M W F	305	T B	
	34141	LAB-DISC	*F3	9-12	TU TH	305	T B	

G E 105 ELEMENTS OF DRAWING.
 PREREQUISITE: PLANE GEOMETRY.
 *CREDIT IS NOT GIVEN FOR G. E. 105 IN ADDITION TO G. E. 101 OR 103.
 *3 HOURS
 34150 LAB-DISC A9 8-10 M W F 216 T B
 34168 LAB-DISC D9 3-5 M W F 216 T B

G E 107 GEOMETRY FOR ARCHITECTS.
 PREREQUISITE: PLANE GEOMETRY.
 2 HOURS
 34176 LAB-DISC A8 8-10 M W F 207 T B

G E 108 GEOMETRY FOR ARCHITECTS.
 PREREQUISITE: G. E. 107.
 2 HOURS
 STUDENTS MUST REGISTER IN ONE LABORATORY-LECTURE COMBINATION.
 34184 LAB C8 1-3 M W 207 T B
 LECT E 8 TU 207 T B
 34192 LAB D8 3-5 M W 207 T B
 LECT E 8 TU 207 T B

G E 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 34206 CONF A ARR

COURSES FOR ADVANCED UNDERGRADUATES

G E 212 GRAPHICAL CALCULATIONS.
 PREREQUISITE: G. E. 103 OR EQUIVALENT, MATH. 123.
 1 HOUR
 34214 LAB-DISC B3 10-12 W 305 T B
 34222 LAB-DISC F2 10-12 TU 303 T B

G E 220 HISTORY OF ENGINEERING.
 PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
 3 HOURS
 34231 LECT-DISC B 10 M W F 206 T B
 34249 LECT-DISC C 11 M W F 206 T B
 34257 LECT-DISC D 2 M W F 206 T B
 34265 LECT-DISC F 10-1120 TU TH 206 T B
 34273 LECT-DISC G 1-220 TU TH 206 T B

G E 221 INTRODUCTION TO GENERAL ENGINEERING DESIGN.
 PREREQUISITE: G. E. 103 AND 104, CREDIT OR REGISTRATION IN
 T. A. M. 150.
 3 HOURS
 34281 LECT-DISC A4 8-10 M W F 306 T B
 34290 LECT-DISC B9 10-12 M W F 216 T B

G E 230 ENGINEERING ASPECTS OF CONTEMPORARY SOCIETY.
 PREREQUISITE: SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
 3 HOURS
 34303 LECT-DISC H 3-420 TU TH 206 T B

G E 231 ENGINEERING ANALYSIS, I.
 PREREQUISITE: G. E. 221, T. A. M. 211.
 3 HOURS
 34311 LECT-DISC B4 10-12 M W F 306 T B
 34320 LECT-DISC C9 1-3 M W F 216 T B

G E 232 ENGINEERING ANALYSIS, II.
 PREREQUISITE: G. E. 231, T. A. M. 221.
 4 HOURS
 34338 LECT A 9 MTU THF 302 T B
 34346 LECT B 1 MTU THF 203 T B

G E 241 COMPONENT DESIGN.
 PREREQUISITE: G. E. 232, T. A. M. 224.
 4 HOURS
 34354 LECT-DISC C4 1-3 M F 306 T B
 C4 1 W 306 T B

G E 242 PROJECT DESIGN.
PREREQUISITE: G. E. 241, 288.
3 HOURS
34362 LECT-DISC A 9-12 TU TH 306 T B

G E 282 INTRODUCTION TO PATENT LAW.
PREREQUISITE: SENIOR STANDING.
1 HOUR
34371 LECT-DISC A 4 M 206 T B
34389 LECT-DISC B 8 W 206 T B

G E 288 ECONOMIC ANALYSIS FOR ENGINEERING DECISION MAKING.
PREREQUISITE: JUNIOR STANDING IN ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS
34397 DISC A 10 M W F 302 T B
34401 DISC B 3 M W F 206 T B

G E 290 CONTRACTS AND SPECIFICATIONS
SAME AS C. E. 290.
PREREQUISITE: SENIOR STANDING IN ENGINEERING OR ARCHITECTURE.
*CREDIT IS NOT GIVEN FOR G. E. 290 IN ADDITION TO G. E. 292.
*2 HOURS
34419 LECT-DISC P 11 TU TH 305 E H
34427 LECT-DISC T 3 TU TH 305 E H

G E 291 GENERAL ENGINEERING SEMINAR.
PREREQUISITE: SENIOR STANDING IN GENERAL ENGINEERING.
0 CREDIT
34435 LECT-DISC A 3-5 W 203 T B

G E 292 ENGINEERING LAW.
PREREQUISITE: SENIOR STANDING IN ENGINEERING OR ARCHITECTURE, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR G. E. 292 IN ADDITION TO G. E. 290.
*3 HOURS
34443 LECT-DISC A 9 M W F 206 T B
34451 LECT-DISC B 1 M W F 206 T B
34460 LECT-DISC C 2 M W F 203 T B

G E 293 SPECIAL PROBLEMS.
PREREQUISITE: JUNIOR STANDING AND CONSENT OF INSTRUCTOR.
1 TO 4 HOURS
34478 CONF B ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

G E 304 PROFESSIONAL EXPRESSION.
PREREQUISITE: ADVANCED OR GRADUATE STANDING AND CONSENT OF INSTRUCTOR.
3 OR 4 HOURS, OR 1 UNIT
*EQUIVALENT OF ANOTHER WEEKLY MEETING ARRANGED AT CONVENIENCE OF STUDENTS REGISTERING FOR FOUR HOURS OF CREDIT.
34486 LECT-DISC D *11 M W F 302 T B

G E 330 INDUSTRIAL STANDARDIZATION.
PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT
34494 LECT A 1 M F 114 T B

G E 334 INTRODUCTION TO RELIABILITY ENGINEERING.
SAME AS I. E. 334.
PREREQUISITE: I. E. 333 OR MATH. 361 OR EQUIVALENT WITH CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
34508 LECT-DISC 11 M W F 243 M E B HENRY

G E 393 SPECIAL PROBLEMS.
 PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR.
 1 TO 4 HOURS, OR 1/2 TO 1 UNIT
 *SECTION A IS FOR GENERAL ENGINEERING STUDENTS
 *SECTION &B IS AN HONORS SECTION.
 *SECTION C IS TECHNIQUES AND APPLICATIONS IN ENGINEERING
 DESIGN ANALYSIS. CREDIT--3 HOURS.
 *SECTION D IS OPTIMIZATION IN ENGINEERING DESIGN. CREDIT--3 HOURS.
 *SECTION P IS INTERDISCIPLINARY AIR POLLUTION SEMINAR. CREDIT 2
 HOURS.

34516	CONF	*A	ARR			
34524	CONF	*&B	ARR			
34532	CONF	*C	ARR			
34541	CONF	*D	ARR			
34559	CONF	*P	3-5	W	305	E H

GEOGRAPHY

DEPARTMENT OFFICE

220 D H

MAJOR: TWENTY HOURS IN GEOGRAPHY IN ADDITION TO GEOGRAPHY 101. AT
 LEAST FIFTEEN OF THE TWENTY HOURS MUST BE IN COURSES CARRYING
 ADVANCED CREDIT. INDIVIDUAL PROGRAMS ARE ARRANGED FOR MAJOR
 STUDENTS WITH THE FOLLOWING SPECIAL INTERESTS: LIBERAL EDUCATION,
 BUSINESS, CARTOGRAPHY, GOVERNMENT, TEACHING, OR GRADUATE STUDY.
 THESE PROGRAMS INCLUDE DEPARTMENTAL COURSES, MINOR FIELDS, AND
 RECOMMENDED ELECTIVES.

MINORS: TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND
 SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY
 THE COLLEGE. MINOR PROGRAMS IN DEPARTMENTS OUTSIDE THE COLLEGE OF
 LIBERAL ARTS AND SCIENCES MAY BE ARRANGED IN CONSULTATION WITH
 THE DEPARTMENTAL ADVISER AND WITH THE APPROVAL OF THE DEAN OF
 THE COLLEGE. AT LEAST EIGHT HOURS OF THE TWENTY MINOR HOURS MUST
 BE TAKEN IN EACH IF THE STUDENT ELECTS TO MINOR IN TWO DIFFERENT
 DEPARTMENTS.

DEPARTMENTAL DISTINCTION: STUDENTS ELIGIBLE FOR GRADUATION WITH
 HONORS IN LIBERAL ARTS AND SCIENCES SHOULD CONSULT WITH THE
 DEPARTMENTAL ADVISER CONCERNING GRADUATION WITH DISTINCTION IN
 GEOGRAPHY.

COURSES FOR UNDERGRADUATES

GEOG 102 PHYSICAL GEOGRAPHY, I.

4 HOURS

*SECTION &2 IS RESERVED FOR JAMES SCHOLARS AND OTHER
 SUPERIOR STUDENTS.

34567	LECT	A	8	M W F	103	M H
34575	LAB	1	8-10	TU	113	O H
34621	LAB	*&2	8-10	TH	113	O H
34583	LAB	3	10-12	TU	103	N L
34591	LAB	4	10-12	TH	103	N L
34605	LAB	5	1-3	M	210	C A
34613	LAB	6	1-3	TH	201	N L

LAHEY

GEOG 103 PHYSICAL GEOGRAPHY, II.

4 HOURS

*SECTIONS &5 AND &E ARE RESERVED FOR JAMES SCHOLARS AND OTHER
 SUPERIOR STUDENTS.

34630	LECT	A1	8	TU TH	100	N L
34648	LECT	B1	10	TU TH	100	N L
34656	QUIZ	1	8	M	177	D H
34664	QUIZ	2	8	M	175	O H
34672	QUIZ	3	9	M	177	O H
34681	QUIZ	4	9	M	175	O H
34915	QUIZ	*&5	10	M	177	O H
34699	QUIZ	6	10	M	175	O H
34702	QUIZ	7	11	M	177	O H
34711	QUIZ	8	11	M	175	O H

NUNNALLY
 NUNNALLY

GEOG	103	CONTINUED									
	34729	QUIZ	9	1	M			177	D	H	
	34737	QUIZ	10	1	M			175	D	H	
	34745	QUIZ	11	2	M			177	D	H	
	34753	QUIZ	12	2	M			175	D	H	
	34761	QUIZ	13	3	M			177	D	H	
	34770	QUIZ	14	3	M			175	D	H	
	34788	LAB	A	8-10		W		177	D	H	
	34796	LAB	B	8-10		W		175	D	H	
	34800	LAB	C	8-10			F	177	D	H	
	34818	LAB	D	8-10			F	175	D	H	
	34923	LAB	*E	10-12		W		177	D	H	
	34826	LAB	F	10-12		W		175	D	H	
	34834	LAB	G	10-12			F	177	D	H	
	34842	LAB	H	10-12			F	175	D	H	
	34851	LAB	I	1-3		W		177	D	H	
	34869	LAB	J	1-3		W		175	D	H	
	34877	LAB	K	1-3			F	177	D	H	
	34885	LAB	L	1-3			F	175	D	H	
	34893	LAB	P	11-1		TU		177	D	H	
	34907	LAB	Q	11-1		TU		175	D	H	

GEOG 104 WORLD REGIONAL GEOGRAPHY.

4 HOURS

*SECTION E12 IS RESERVED FOR JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS.

34931	LECT	A	11	M	W	F	228	N	H	B	
34940	LAB-DISC	1	8		TU		175	D	H		
34958	LAB-DISC	2	8			TH	175	D	H		
34966	LAB-DISC	3	10		TU		175	D	H		
34974	LAB-DISC	4	10			TH	175	D	H		
34982	LAB-DISC	5	1		TU		175	D	H		
34991	LAB-DISC	6	1			TH	175	D	H		
35007	LAB-DISC	7	2		TU		175	D	H		
35015	LAB-DISC	8	2			TH	175	D	H		
35023	LAB-DISC	9	3		TU		175	D	H		
35031	LAB-DISC	10	3			TH	175	D	H		
35040	LAB-DISC	11	9		TU		175	D	H		
35058	LAB-DISC	*E12	9			TH	177	D	H		

ROSEMAN

GEOG 105 INTRODUCTORY ECONOMIC GEOGRAPHY.

4 HOURS

*SECTION E2 IS RESERVED FOR JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS.

35066	LECT	A	11	M	W	F	124	BUR	H		
35074	LAB-DISC	1	8		TU		177	D	H		
35121	LAB-DISC	*E2	8			TH	177	D	H		
35082	LAB-DISC	3	10		TU		177	D	H		
35091	LAB-DISC	4	10			TH	177	D	H		
35104	LAB-DISC	5	1		TU		177	D	H		
35112	LAB-DISC	6	1			TH	177	D	H		

ROEPKE

GEOG 185 INTRODUCTION TO SOCIAL STATISTICS.

SAME AS SOC. 185.

PREREQUISITE: SOC. 100, OR CONSENT OF INSTRUCTOR, OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.

3 HOURS

35139	LECT-DISC	B	9	M	W	F	340	L	H		
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SUMMERS

GEOG 195 UNDERGRADUATE HONORS SEMINAR.

PREREQUISITE: FRESHMAN HONORS STUDENT.

3 HOURS

35147	LECT-DISC	E	3-5	TU			219	D	H		
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RUSSELL

COURSES FOR ADVANCED UNDERGRADUATES

GEOG 210 GEOGRAPHY IN WORLD AFFAIRS.

3 HOURS

35155	LECT-DISC	C	10	TU			223	G	H		
		C	10-12		TH		223	G	H		

GARLAND

GEOG 214 CONSERVATION OF NATURAL RESOURCES.

3 HOURS

35163	LECT-DISC		2	M	W	F	112	C	A		
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BOOTH

GEOG 220 THE HISTORICAL GEOGRAPHY OF NORTH AMERICA.
 PREREQUISITE: FOR JAMES SCHOLARS AND OTHER QUALIFIED STUDENTS.
 3 HOURS
 35171 LECT-DISC 3-5 W 219 D H JAKLE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GEOG 323 GEOGRAPHY OF THE NORTH AMERICAN MIDWEST.
 3 HOURS OR 3/4 UNIT
 35180 LECT-DISC C 10 M W F 113 O H GARLAND

GEOG 332 GEOGRAPHY OF SOUTH AMERICA.
 3 HOURS OR 3/4 UNIT
 35198 LECT-DISC A 1 M W F 113 O H THOMPSON

GEOG 342 GEOGRAPHY OF EUROPE.
 3 HOURS OR 3/4 UNIT
 86641 LECT-DISC 11 M W F 219 D H RUSSELL

GEOG 361 GEOGRAPHY OF AGRICULTURAL LAND UTILIZATION.
 3 HOURS OR 3/4 UNIT
 35201 LECT-DISC B 9 M W F B C A FOSTER

GEOG 365 GEOGRAPHY OF TRANSPORTATION.
 3 HOURS OR 3/4 UNIT
 35210 LECT-DISC F 11 M W F 244 M E B BOOTH

GEOG 366 LOCATION OF INDUSTRY AND OTHER ECONOMIC ACTIVITIES: THEORY AND PRACTICE.
 3 HOURS OR 3/4 UNIT
 35228 LECT-DISC A 9 M W F 113 D H RDEPKE

GEOG 372 INTRODUCTION TO RESEARCH, II.
 2 HOURS OR 1/2 UNIT
 35236 CONF ARR JAKLE

GEOG 373 MAP COMPILATION AND CONSTRUCTION.
 4 HOURS OR 1 UNIT
 35244 LAB F 2-5 M W 318 D H FOSTER

GEOG 378 DESCRIPTIVE INTERPRETATION OF REMOTE SENSORS.
 TWO HALF-DAY SATURDAY FIELD TRIPS ARE REQUIRED.
 4 HOURS OR 1 UNIT
 35252 LECT-DISC F 2 TU TH 210 C A NUNALLY
 35261 LAB 1 3-5 TU TH 323 D H
 35279 LAB 2 3-5 W F 323 D H

GEOG 382 SIBERIAN CULTURE HISTORY AND ETHNOLOGY.
 SAME AS ANTH. 382.
 3 HOURS, OR 1/2 OR 1 UNIT
 35287 LECT-DISC 10 M W F 209A D H SHIMKIN

GEOG 383 URBAN GEOGRAPHY.
 3 HOURS OR 3/4 UNIT
 35295 LECT-DISC G 1-3 TU 113 D H JAKLE
 G 1 TH 113 D H

COURSES FOR GRADUATES

GEOG 421 REGIONAL CONCEPTS IN GEOGRAPHY.
 PREREQUISITE: NINE HOURS OF REGIONAL GEOGRAPHY.
 1/2 UNIT
 35309 CONF ARR GARLAND

GEOG 473 PROBLEMS IN CARTOGRAPHY.
 PREREQUISITE: GEOG. 373 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 35317 CONF ARR 318 D H FOSTER

GEOG 495 ADVANCED STUDIES IN GEOGRAPHY.

1/2 TO 2 UNITS

WORK MAY BE TAKEN IN THE FOLLOWING FIELDS:

CULTURAL, LATIN AMERICA

ASIA, RESOURCE MANAGEMENT, TRANSPORTATION

MIDDLE EAST, ADVANCED CARTOGRAPHY

ANGLO AMERICA, POLITICAL GEOGRAPHY, REGIONALISM

ECONOMIC GEOGRAPHY, INDUSTRIAL LOCATION, EUROPE

MARKETING GEOGRAPHY

HUMAN ECOLOGY, U. S. S. R.

LATIN AMERICA

CLIMATOLOGY, METEOROLOGY

HISTORICAL, CULTURAL AND POPULATION GEOGRAPHY

QUANTITATIVE GEOGRAPHY, REMOTE SENSORS, PHYSICAL

GEOGRAPHY, AGRICULTURAL GEOGRAPHY.

SOCIAL GEOGRAPHY, MIGRATION, QUANTITATIVE METHODS

GEOMORPHOLOGY

35325	CONF	B	ARR
35333	CONF	C	ARR
35341	CONF	E	ARR
35350	CONF	F	ARR
35368	CONF	G	ARR
35376	CONF	H	ARR
35384	CONF	I	ARR
35392	CONF	J	ARR
35406	CONF	K	ARR
35414	CONF	M	ARR
35422	CONF	N	ARR
35431	CONF	O	ARR
86659	CONF	S	ARR

B	AUGELLI
C	BOOTH
E	FOSTER
F	GARLAND
G	ROEPKE
H	RUSSELL
I	SHIMKIN
J	THOMPSON
K	LAHEY
M	JAKLE
N	NUNNALLY
O	ROSEMAN
S	SCHEIDEGGER

AUGELLI
BOOTH
FOSTER
GARLAND
ROEPKE
RUSSELL
SHIMKIN
THOMPSON
LAHEY
JAKLE
NUNNALLY
ROSEMAN
SCHEIDEGGER

GEOG 499 THESIS RESEARCH.

D TO 4 UNITS

35449	CONF	ARR
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STAFF

GEOLOGY

DEPARTMENT OFFICE

249 N H B

LAS CURRICULUM IN GEOLOGY: A TOTAL OF 130 HOURS OF CREDIT INCLUDING THE FOLLOWING COURSES: GEOLOGY 101, 102, 215, 301 OR 307 OR 357, 311, 320, 321, 331, 332, 335 AND 336; CHEMISTRY 101 AND 102 OR CHEMISTRY 107 AND 108; PHYSICS 106, 107 AND 108; MATHEMATICS 120, 130 AND 140 AND 8 HOURS OF BIOLOGICAL SCIENCE.

LAS GENERAL CURRICULUM:

MAJOR: NOT LESS THAN TWENTY HOURS IN GEOLOGY, EXCLUDING ALL 100-LEVEL GEOLOGY COURSES EXCEPT GEOLOGY 115. INCLUDED MUST BE GEOLOGY 331 AND 332 OR GEOLOGY 233, GEOLOGY 320 AND 321 OR GEOLOGY 222, GEOLOGY 215, AND AT LEAST ONE ADDITIONAL 300-LEVEL COURSE IN GEOLOGY.

IN ADDITION THE STUDENT MUST COMPLETE EITHER CHEMISTRY 101 OR 107, PHYSICS 101 OR 106, AND MATHEMATICS 120.

MINORS: TWENTY HOURS CHOSEN FROM ONE OR TWO OF THE FOLLOWING SUBJECTS: ANTHROPOLOGY, ASTRONOMY, BOTANY, CHEMISTRY, CIVIL ENGINEERING, ECONOMICS, GEOGRAPHY, MATHEMATICS, MINING ENGINEERING, PHYSICS, AND ZOOLOGY, AFTER CONSULTATION WITH THE DEPARTMENT OF GEOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

DEPARTMENTAL DISTINCTION: STUDENTS WHO MAINTAIN A MINIMUM GRADE-POINT AVERAGE OF 4.5 IN ALL GEOLOGY COURSES AND 4.0 IN ALL OTHER SCIENCE AND MATHEMATICS COURSES, AND WHO COMPLETE AN ACCEPTABLE BACHELOR'S THESIS BASED ON UNDERGRADUATE RESEARCH ARE RECOMMENDED FOR GRADUATION WITH DEPARTMENTAL DISTINCTION.

AT LEAST ONE YEAR OF GRADUATE WORK IS NECESSARY AS FURTHER
TRAINING FOR ALL PROFESSIONAL WORK IN GEOLOGY. STUDENTS INTERESTED
IN OCEANOGRAPHY SHOULD CONSULT WITH ADVISERS IN THE DEPARTMENT
OF GEOLOGY.

COURSES FOR UNDERGRADUATES

GEOLOGY 101 PHYSICAL GEOLOGY. FIELD TRIP.

4 HOURS

STUDENTS ENROLL IN ONE LAB-QUIZ-LECTURE COMBINATION.

*LAB-QUIZ-LECTURE COMBINATION 65 IS RESERVED FOR JAMES
SCHOLARS AND OTHER SUPERIOR STUDENTS. ADMISSION TO THIS
SECTION REQUIRES CONCURRENT REGISTRATION IN GEOLOGY III.

35457	LAB	1	8-10	TU	251	N H B
	QUIZ	1	8	F	251	N H B
	LECT	8	9	M W	228	N H B
35465	LAB	2	10-12	TU	251	N H B
	QUIZ	2	8	F	241	N H B
	LECT	8	9	M W	228	N H B
35473	LAB	3	1-3	TU	251	N H B
	QUIZ	3	8	F	413	N H B
	LECT	8	9	M W	228	N H B
35481	LAB	4	3-5	TU	251	N H B
	QUIZ	4	8	F	147	N H B
	LECT	8	9	M W	228	N H B
35546	LAB	*65	1-3	TU	120	N H B
	QUIZ	*65	9	F	120	N H B
	LECT	*8	9	M W	228	N H B
35490	LAB	6	8-10	TH	251	N H B
	QUIZ	6	9	F	251	N H B
	LECT	8	9	M W	228	N H B
35503	LAB	7	10-12	W	251	N H B
	QUIZ	7	9	F	241	N H B
	LECT	8	9	M W	228	N H B
35511	LAB	8	1-3	TH	251	N H B
	QUIZ	8	9	F	228	N H B
	LECT	8	9	M W	228	N H B
35520	LAB	9	3-5	TH	251	N H B
	QUIZ	9	9	F	413	N H B
	LECT	8	9	M W	228	N H B
35538	LAB	10	3-5	W	251	N H B
	QUIZ	10	9	F	147	N H B
	LECT	8	9	M W	228	N H B

CHAPMAN

GEOLOGY 102 HISTORICAL GEOLOGY.

PREREQUISITE: GEOLOGY 101 OR 105 OR 250, OR L. A. S. 142.

4 HOURS

FIELD TRIP, ESTIMATED COST \$5.50.

STUDENTS MUST REGISTER IN ONE LAB-DISC/LECT COMBINATION.

*HONORS STUDENTS MUST REGISTER IN ONE LAB-DISC 616/LECT
COMBINATION AND MUST REGISTER CONCURRENTLY IN GEOLOGY 112.

35554	LAB-DISC	1	10-12	M	241	N H B
	LECT	A	8	M W F	229	N H B
35562	LAB-DISC	2	8-10	TU	241	N H B
	LECT	A	8	M W F	229	N H B
35571	LAB-DISC	3	3-5	TU	241	N H B
	LECT	A	8	M W F	229	N H B
35589	LAB-DISC	4	8-10	TH	241	N H B
	LECT	C	10	M W F	228	N H B
35597	LAB-DISC	5	8-10	M	241	N H B
	LECT	C	10	M W F	228	N H B
35601	LAB-DISC	6	10-12	TU	241	N H B
	LECT	C	10	M W F	228	N H B
35619	LAB-DISC	7	10-12	TH	241	N H B
	LECT	C	10	M W F	228	N H B
35627	LAB-DISC	8	10-12	TH	251	N H B
	LECT	C	10	M W F	228	N H B
35635	LAB-DISC	9	1-3	TU	241	N H B
	LECT	C	10	M W F	228	N H B
35643	LAB-DISC	10	1-3	W	241	N H B
	LECT	C	10	M W F	228	N H B
35651	LAB-DISC	11	1-3	TH	241	N H B
	LECT	C	10	M W F	228	N H B
35660	LAB-DISC	12	3-5	M	241	N H B
	LECT	C	10	M W F	228	N H B

LANGENHEIM

CAROZZI

GEOL 102 CONTINUED

35678	LAB-DISC	13	3-5	TH	241	N H B	
	LECT	F	2	M W F	229	N H B	CARTER
35686	LAB-DISC	14	8-10	W	241	N H B	
	LECT	F	2	M W F	229	N H B	
35694	LAB-DISC	15	3-5	W	241	N H B	
	LECT	F	2	M W F	229	N H B	
35708	LAB-DISC	*E16	1-3	TH	120	N H B	
	LECT	*A	8	M W F	229	N H B	
35716	LAB-DISC	*E16	1-3	TH	120	N H B	
	LECT	*C	10	M W F	228	N H B	
35724	LAB-DISC	*E16	1-3	TH	120	N H B	
	LECT	*F	2	M W F	229	N H B	

GEOL 105 AGRICULTURAL GEOLOGY.
FOR AGRICULTURE STUDENTS ONLY.
PREREQUISITE: ONE SEMESTER OF CHEMISTRY.
4 HOURS

ONE-HALF DAY FIELD TRIP, ESTIMATED COST \$2.00.

35732	LAB	A	10-12	TU	204	N H B	
	QUIZ	A	1	W	204	N H B	
	LECT	A	9	TU TH	124	BUR HALL	WHITE
35741	LAB	B	1-3	TU	204	N H B	
	QUIZ	B	1	F	229	N H B	
	LECT	B	9	TU TH	124	BUR HALL	
35759	LAB	C	3-5	TU	204	N H B	
	QUIZ	C	1	W	251	N H B	
	LECT	C	9	TU TH	124	BUR HALL	
35767	LAB	D	10-12	TH	204	N H B	
	QUIZ	D	2	W	251	N H B	
	LECT	D	9	TU TH	124	BUR HALL	
35775	LAB	E	1-3	TH	204	N H B	
	QUIZ	E	2	F	204	N H B	
	LECT	E	9	TU TH	124	BUR HALL	
35783	LAB	F	3-5	TH	204	N H B	
	QUIZ	F	2	W	204	N H B	
	LECT	F	9	TU TH	124	BUR HALL	

GEOL 111 HONORS: PHYSICAL GEOLOGY.
PREREQUISITE: CONCURRENT REGISTRATION IN THE HONORS SECTIONS OF
GEOL. 101, JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

35791	LAB-DISC	E A	ARR		120	N H B	T. ANDERSON
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GEOL 112 HONORS: HISTORICAL GEOLOGY.
PREREQUISITE: CONCURRENT REGISTRATION IN THE HONORS LABORATORY OF
GEOL. 102, JAMES SCHOLAR OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

35805	LAB-DISC	E A	ARR		120	N H B	MANN
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GEOL 115 REGIONAL FIELD STUDY.
PREREQUISITE: GEOL. 101, 105, 150, OR D. G. S. 142.
*CREDIT IS GIVEN ONLY ON COMPLETION OF A SATISFACTORY WRITTEN
REPORT.
*2 HOURS

35813	LAB-DISC		7PM	TH	229	N H B	PRIDE
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COURSES FOR ADVANCED UNDERGRADUATES

GEOL 233 MINERALS AND ROCKS.
PREREQUISITE: CHEM. 101, GEOL. 102, OR CONSENT OF INSTRUCTOR.
*CREDIT NOT ALLOWED FOR BOTH GEOL. 233 AND 331.
*4 HOURS

35821	LECT		9	TU TH	229	N H B	HENDERSON
	LAB		10-12	TU TH	109	N H B	

GEO	250	GEOLOGY FOR ENGINEERS.										
		PREREQUISITE: T. A. M. 150 OR 152, SOPHOMORE STANDING IN										
		THE COLLEGE OF ENGINEERING.										
		3 HOURS										
	35830	LECT		10	TU TH	124	BUR HALL				DOMENICO	
	35848	QUIZ	1	8-10	TU	316	N H B					
	35856	QUIZ	2	1-3	W	316	N H B					
	35864	QUIZ	3	8-10	TH	316	N H B					
	35872	QUIZ	4	10-12	F	316	N H B					
GEO	290	RESEARCH AND THESIS.										
		CREDIT TO BE ARRANGED.										
	35881	CONF	GA	ARR								STAFF
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES												
GEO	311	STRUCTURAL GEOLOGY.										
		PREREQUISITE: GEOL. 102, G. E. 205, OR CONSENT OF INSTRUCTOR.										
		2 DAY FIELD TRIP.										
		4 HOURS OR 1 UNIT										
	35899	LECT		10	M W F	229	N H B				WOOD	
	35902	LAB	1	1-3	TU	147	N H B					
	35911	LAB	2	3-5	TU	147	N H B					
GEO	315	ADVANCED FIELD METHODS.										
		PREPARATION OF A REPORT.										
		PREREQUISITE: GEOL. 215.										
		2 TO 8 HOURS, OR 1/2 TO 2 UNITS										
	35929	LAB-DISC		8-12	S	251	N H B				STAFF	
GEO	321	PRINCIPLES OF STRATIGRAPHY.										
		PREREQUISITE: GEOL. 102.										
		4 HOURS OR 1 UNIT										
	35937	LECT		11	M W F	229	N H B				LANGENHEIM	
	35945	LAB	1	8-10	TU	120	N H B					
	35953	LAB	2	10-12	TU	120	N H B					
GEO	332	MINERALOGY-PETROLOGY.										
		PREREQUISITE: GEOL. 331.										
		4 HOURS OR 1 UNIT										
	35961	LECT		8	M W	147	N H B				O. ANDERSON	
	35970	LAB	1	1-3	TU TH	109	N H B					
	35988	LAB	2	3-5	TU TH	109	N H B					
	35996	LAB	3	8-10	TU TH	109	N H B					
GEO	336	PETROGRAPHY.										
		PREREQUISITE: GEOL. 335.										
		4 HOURS OR 1 UNIT										
	36002	LECT		9	TU TH	204	N H B				CHAPMAN	
		LAB		3-5	TU TH	204	N H B					
GEO	351	GEOPHYSICAL PROSPECTING.										
		SAME AS MIN. E. 351.										
		PREREQUISITE: SENIOR STANDING IN ENGINEERING OR GEOLOGY, OR CONSENT										
		OF INSTRUCTOR.										
		3 HOURS, OR 3/4 OR 1 UNIT										
	36011	LECT-DISC		9	M W F	403	M H B				DE WITTE	
GEO	357	GLACIAL AND PLEISTOCENE GEOLOGY.										
		PREREQUISITE: CONSENT OF INSTRUCTOR.										
		4 HOURS OR 1 UNIT										
	36029	LECT-DISC		3-430	M W F	229	N H B				JOHNSON	
GEO	360	CHEMISTRY OF THE EARTH.										
		PREREQUISITE: GEOL. 132.										
		3 HOURS OR 3/4 UNIT										
	36037	LECT		9	M W F	229	N H B				T. ANDERSON	

COURSES FOR GRADUATES

GEOLOGICAL	423	STRATIGRAPHIC GEOLOGY: MESOZOIC.									
		PREREQUISITE: GEOL. 321 (STRATIGRAPHY).									
		1 UNIT									
	36045	LECT	9	TU TH	236	N H B	MANN				
		LAB-DISC	3-5	TU TH	236	N H B					
GEOLOGICAL	431	STRUCTURAL MINERALOGY.									
		PREREQUISITE: GEOL. 430 AND CONSENT OF INSTRUCTOR.									
		1 UNIT									
	36053	LECT	1	M W	109	N H B	HENDERSON, GUVEN				
		LAB	2-4	F	109	N H B					
GEOLOGICAL	432	GEOCHEMISTRY.									
		PREREQUISITE: GEOL. 336 OR CHEM. 321, OR EQUIVALENT, CONSENT OF INSTRUCTOR.									
		1 UNIT									
	36061	LECT	11	M W F	109	N H B	GRAF				
GEOLOGICAL	436	METAMORPHIC PETROLOGY.									
		1 UNIT									
		36070	LECT	2	M W F	147	N H B	O ANDERSON			
		LAB	ARR								
GEOLOGICAL	437	SEDIMENTARY PETROLOGY.									
		PREREQUISITE: GEOL. 335.									
		1 UNIT									
	36088	LECT	1	M W F	134	N H B	KLEIN, STANLEY				
		LAB	ARR								
GEOLOGICAL	438	SEDIMENTARY PETROGRAPHY.									
		PREREQUISITE: GEOL. 335 AND 437.									
		1 UNIT									
	36096	LECT	3	M W F	245	N H B	CAROZZI				
		LAB	1-4	TU	245	N H B					
GEOLOGICAL	451	PRACTICE OF ENGINEERING GEOLOGY.									
		PREREQUISITE: GEOL. 450 AND C. E. 383, OR CONSENT OF INSTRUCTOR.									
		THREE OR FOUR DAY FIELD TRIP TO VISIT ENGINEERING CONSTRUCTION PROJECTS IS INTEGRAL PART OF COURSE.									
		1 UNIT									
	36100	LAB-DISC	9-12	S	147	N H B	DEERE, PATTON				
GEOLOGICAL	462	MINERALOGY OF CLAYS, II.									
		SAME AS CER. E. 462.									
		PREREQUISITE: GEOL. 461.									
		1 UNIT									
	36118	LECT	10	M W	109	N H B	EADES				
GEOLOGICAL	488	ADVANCED STRUCTURAL GEOLOGY.									
		PREREQUISITE: GEOL. 311, OR CONSENT OF INSTRUCTOR.									
		1 UNIT									
	36126	LECT	10-12	TU	147	N H B	DONATH, WOOD				
		LAB-DISC	10-12	TH	147	N H B					

GEOL 493 ADVANCED STUDIES IN GEOLOGY.

1/2 TO 2 UNITS

A--CLAY MINERALOGY
B--ENGINEERING GEOLOGY
C--GEOMORPHOLOGY AND GLACIAL GEOLOGY
D--GEOTECTONICS
E--GROUND-WATER GEOLOGY
F--MICROPALAEONTOLOGY
G--MINERAL DEPOSITS
H--MINERALOGY AND CRYSTALLOGRAPHY
I--PALEONTOLOGY
J--GEOCHEMISTRY
K--GEOPHYSICS
L--PETROGRAPHY AND PETROLOGY
M--SEDIMENTOLOGY
N--STRATIGRAPHY
O--OCEANOGRAPHY AND OCEAN ENGINEERING
P--SUBMARINE GEOLOGY
Q--STRUCTURAL GEOLOGY

36142	CONF	A	ARR					EADES
36151	CONF	B	ARR					DEERE, PATTC
36169	CONF	C	ARR					WHITE, JOHNS
36177	CONF	D	ARR					CAROZZI, WDC
36185	CONF	E	ARR					DOMENICO
36193	CONF	F	ARR					COLLINSON, H
								AND SANDBERG
36207	CONF	G	ARR					HAGNER
36215	CONF	H	1-3	TU TH	229	N H B		HENDERSON AN
								GUVEN
36223	CONF	I	ARR					BLAKE, HAY A
36231	CONF	J	ARR					LANGENHEIM
36240	CONF	K	3-5	TU TH	229	N H B		T ANDERSON
36258	CONF	L	ARR					DONATH
								CHAPMAN, AND
36266	CONF	M	ARR					D ANDERSON
36274	CONF	N	ARR					CAROZZI
								LANGENHEIM A
								MANN
36282	CONF	O	ARR					
36291	CONF	P	ARR					
36304	CONF	Q	ARR					DONATH, WOOD

GEOL 499 THESIS RESEARCH.

0 TO 4 UNITS

36312	CONF	ARR	STAFF
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GERMAN

GERMANIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 371 L H

MAJOR: TWENTY-FOUR HOURS IN GERMAN, EXCLUDING GERMAN 101, 102, 103, 104, AND 113, AND INCLUDING GERMAN 302, 303, 320, AND ONE OTHER LITERATURE COURSE AT THE 300-LEVEL.

MINORS: TWENTY HOURS IN NOT MORE THAN TWO SUBJECTS CHOSEN FROM THE FOLLOWING LIST, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT: EDUCATION, ENGLISH (EXCLUDING RHET. 101, 102, AND 200), FRENCH, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, LINGUISTICS (EXCLUDING LING. 301), MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, SCANDINAVIAN, AND SPANISH. THE FIRST SEMESTER OF ANY FOREIGN LANGUAGE (FR. 101, GRK. 101, ITAL. 101, LAT. 101, PORT. 101, RUSS. 101, SPAN. 101) MAY NOT BE COUNTED TOWARD A MINOR IN THAT LANGUAGE.

COURSES FOR UNDERGRADUATES

GER 101 ELEMENTARY COURSE, I.

*NO CREDIT TOWARD GRADUATION IS GIVEN FOR GER. 101 WITHOUT GER. 102.

*4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY, SELECTING ONE SECTION FROM THE M3 TO M28 SECTIONS.

36321	LECT-DISC	B	9	MTUWTH	223	D K H
36339	LECT-DISC	C	10	MTUWTH	223	D K H
36347	LECT-DISC	D	11	MTUWTH	223	D K H
36355	LECT-DISC	X	12	MTUWTH	223	D K H
36363	LECT-DISC	E	1	MTUWTH	223	D K H
36371	LECT-DISC	F	2	MTUWTH	148	ARMORY
36380	LAB	M3	8-830	M TH	202	L H
36398	LAB	M4	830-9	M TH	202	L H
36401	LAB	M5	9-930	M TH	202	L H
36410	LAB	M6	930-10	M TH	202	L H
36428	LAB	M7	10-1030	M TH	202	L H
36436	LAB	M8	1030-11	M TH	202	L H
36444	LAB	M9	11-1130	M TH	202	L H
36452	LAB	M10	1130-12	M TH	202	L H
36461	LAB	M11	12-1230	M TH	202	L H
36479	LAB	M12	1230-1	M TH	202	L H
36487	LAB	M13	1-130	M TH	202	L H
36495	LAB	M14	130-2	M TH	202	L H
36509	LAB	M15	2-230	M TH	202	L H
36517	LAB	M16	230-3	M TH	202	L H
36525	LAB	M17	3-330	M TH	202	L H
36533	LAB	M18	330-4	M TH	202	L H
36541	LAB	M19	4-430	M TH	202	L H
36550	LAB	M20	430-5	M TH	202	L H
36568	LAB	M21	5-530	M TH	202	L H
36576	LAB	M22	530-6	M TH	202	L H
36584	LAB	M25	7-730PM	M TH	202	L H
36592	LAB	M26	730-8PM	M TH	202	L H
36606	LAB	M27	8-830PM	M TH	202	L H
36614	LAB	M28	830-9PM	M TH	202	L H

GER 102 ELEMENTARY COURSE, II.

PREREQUISITE: GER. 101 OR ONE YEAR OF HIGH SCHOOL GERMAN.

4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY, SELECTING ONE SECTION FROM THE M3 TO M28 SECTIONS.

36622	LECT-DISC	A1	8	MTUWTH	336	L H
36631	LECT-DISC	A2	8	MTUWTH	111	G H
36649	LECT-DISC	A3	8	MTUWTH	329	G H
36657	LECT-DISC	B1	9	MTUWTH	329	G H
36665	LECT-DISC	B2	9	MTUWTH	162	L H
36673	LECT-DISC	B3	9	MTUWTH	186	L H
36681	LECT-DISC	B4	9	MTUWTH	336	L H
36690	LECT-DISC	C1	10	MTUWTH	111	G H
36703	LECT-DISC	C2	10	MTUWTH	329	G H
36711	LECT-DISC	C3	10	MTUWTH	162	L H
36720	LECT-DISC	D1	11	MTUWTH	329	G H
36738	LECT-DISC	D2	11	MTUWTH	162	L H
36746	LECT-DISC	D3	11	MTUWTH	186	L H
36754	LECT-DISC	X1	12	MTUWTH	162	L H
36762	LECT-DISC	X2	12	MTUWTH	270	L H
36771	LECT-DISC	E1	1	MTUWTH	332	ARMORY
36789	LECT-DISC	E3	1	MTUWTH	111	G H
36797	LECT-DISC	E4	1	MTUWTH	329	G H
36801	LECT-DISC	F1	2	MTUWTH	223	D K H
36819	LECT-DISC	F2	2	MTUWTH	111	G H
36827	LECT-DISC	G1	3	MTUWTH	111	G H
36835	LECT-DISC	G2	3	MTUWTH	223	D K H
36843	LECT-DISC	H1	4	MTUWTH	186	L H
36851	LECT-DISC	H2	4	MTUWTH	388	L H

GER 102 CONTINUED

36860	LAB	M3	8-830	M	TH	202	L H
36878	LAB	M4	830-9	M	TH	202	L H
36886	LAB	M5	9-930	M	TH	202	L H
36894	LAB	M6	930-10	M	TH	202	L H
36908	LAB	M7	10-1030	M	TH	202	L H
36916	LAB	M8	1030-11	M	TH	202	L H
36924	LAB	M9	11-1130	M	TH	202	L H
36932	LAB	M10	1130-12	M	TH	202	L H
36941	LAB	M11	12-1230	M	TH	202	L H
36959	LAB	M12	1230-1	M	TH	202	L H
36967	LAB	M13	1-130	M	TH	202	L H
36975	LAB	M14	130-2	M	TH	202	L H
36983	LAB	M15	2-230	M	TH	202	L H
36991	LAB	M16	230-3	M	TH	202	L H
37008	LAB	M17	3-330	M	TH	202	L H
37016	LAB	M18	330-4	M	TH	202	L H
37024	LAB	M19	4-430	M	TH	202	L H
37032	LAB	M20	430-5	M	TH	202	L H
37041	LAB	M21	5-530	M	TH	202	L H
37059	LAB	M22	530-6	M	TH	202	L H
37067	LAB	M25	7-730PM	M	TH	202	L H
37075	LAB	M26	730-8PM	M	TH	202	L H
37083	LAB	M27	8-830PM	M	TH	202	L H
37091	LAB	M28	830-9PM	M	TH	202	L H

GER 103 INTERMEDIATE COURSE, I.

PREREQUISITE: GER. 102, TWO YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.

4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY, SELECTING ONE SECTION FROM THE M3 TO M28 SECTIONS.

37105	LECT-DISC	A	8	MTUWTH	223	D K H	
37113	LECT-DISC	B1	9	MTUWTH	210	C A	
37121	LECT-DISC	B2	9	MTUWTH	396	L H	
37130	LECT-DISC	C1	10	MTUWTH	332	ARMORY	
37148	LECT-DISC	C2	10	MTUWTH	432	ARMORY	
37156	LECT-DISC	D1	11	MTUWTH	432	ARMORY	
37164	LECT-DISC	D2	11	MTUWTH	328	D K H	
37172	LECT-DISC	X	12	MTUWTH	432	ARMORY	
37181	LECT-DISC	E	1	MTUWTH	162	L H	
37199	LECT-DISC	F	2	MTUWTH	332	ARMORY	
37202	LECT-DISC	G	3	MTUWTH	396	L H	
37211	LAB	M3	8-830	M	TH	202	L H
37229	LAB	M4	830-9	M	TH	202	L H
37237	LAB	M5	9-930	M	TH	202	L H
37245	LAB	M6	930-10	M	TH	202	L H
37253	LAB	M7	10-1030	M	TH	202	L H
37261	LAB	M8	1030-11	M	TH	202	L H
37270	LAB	M9	11-1130	M	TH	202	L H
37288	LAB	M10	1130-12	M	TH	202	L H
37296	LAB	M11	12-1230	M	TH	202	L H
37300	LAB	M12	1230-1	M	TH	202	L H
37318	LAB	M13	1-130	M	TH	202	L H
37326	LAB	M14	130-2	M	TH	202	L H
37334	LAB	M15	2-230	M	TH	202	L H
37342	LAB	M16	230-3	M	TH	202	L H
37351	LAB	M17	3-330	M	TH	202	L H
37369	LAB	M18	330-4	M	TH	202	L H
37377	LAB	M19	4-430	M	TH	202	L H
37385	LAB	M20	430-5	M	TH	202	L H
37393	LAB	M21	5-530	M	TH	202	L H
37407	LAB	M22	530-6	M	TH	202	L H
37415	LAB	M25	7-730PM	M	TH	202	L H
37423	LAB	M26	730-8PM	M	TH	202	L H
37431	LAB	M27	8-830PM	M	TH	202	L H
37440	LAB	M28	830-9PM	M	TH	202	L H

GER 104 INTERMEDIATE COURSE, II.
 PREREQUISITE: GER. 103, OR THREE YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.
 4 HOURS
 ALL STUDENTS OF THIS COURSE MUST REGISTER FOR TWO HALF-HOUR PERIODS IN THE LANGUAGE LABORATORY, SELECTING ONE SECTION FROM THE M3 TO M28 SECTIONS.

37458	LECT-DISC	A1	8	MTUWTH	388	L H
37466	LECT-DISC	A2	8	MTUWTH	396	L H
37474	LECT-DISC	A3	8	MTUWTH	370	L H
37482	LECT-DISC	B1	9	MTUWTH	111	G H
37491	LECT-DISC	B2	9	MTUWTH	201	N L
37504	LECT-DISC	C1	10	MTUWTH	210	C A
37512	LECT-DISC	C2	10	MTUWTH	370	L H
37521	LECT-DISC	C3	10	MTUWTH	396	L H
37539	LECT-DISC	D1	11	MTUWTH	332	ARMORY
37547	LECT-DISC	D2	11	MTUWTH	210	C A
37555	LECT-DISC	O3	11	MTUWTH	396	L H
37563	LECT-DISC	X1	12	MTUWTH	186	L H
37571	LECT-DISC	X2	12	MTUWTH	210	C A
37580	LECT-DISC	X3	12	MTUWTH	336	L H
37598	LECT-DISC	E1	1	MTUWTH	186	L H
37601	LECT-DISC	E2	1	MTUWTH	336	L H
37610	LECT-DISC	F1	2	MTUWTH	432	ARMORY
37628	LECT-DISC	F2	2	MTUWTH	370	L H
37636	LECT-DISC	G	3	MTUWTH	432	ARMORY
37644	LECT-DISC	H	4	MTUWTH	162	L H
37652	LAB	M3	8-830	M TH	202	L H
37661	LAB	M4	830-9	M TH	202	L H
37679	LAB	M5	9-930	M TH	202	L H
37687	LAB	M6	930-10	M TH	202	L H
37695	LAB	M7	10-1030	M TH	202	L H
37709	LAB	M8	1030-11	M TH	202	L H
37717	LAB	M9	11-1130	M TH	202	L H
37725	LAB	M10	1130-12	M TH	202	L H
37733	LAB	M11	12-1230	M TH	202	L H
37741	LAB	M12	1230-1	M TH	202	L H
37750	LAB	M13	1-130	M TH	202	L H
37768	LAB	M14	130-2	M TH	202	L H
37776	LAB	M15	2-230	M TH	202	L H
37784	LAB	M16	230-3	M TH	202	L H
37792	LAB	M17	3-330	M TH	202	L H
37806	LAB	M18	330-4	M TH	202	L H
37814	LAB	M19	4-430	M TH	202	L H
37822	LAB	M20	430-5	M TH	202	L H
37831	LAB	M21	5-530	M TH	202	L H
37849	LAB	M22	530-6	M TH	202	L H
37857	LAB	M25	7-730PM	M TH	202	L H
37865	LAB	M26	730-8PM	M TH	202	L H
37873	LAB	M27	8-830PM	M TH	202	L H
37881	LAB	M28	830-9PM	M TH	202	L H

GER 112 INTRODUCTION TO GERMANIC STUDIES.
 PREREQUISITE: GER. 101, OR ONE YEAR OF HIGH SCHOOL GERMAN.
 2 HOURS

*EXTRA DISCUSSION MEETINGS WILL BE ARRANGED.
 37890 LECT-DISC *P 11 TU TH 388 L H MARCHAND

GER 113 PRACTICE IN CONVERSATION.
 PREREQUISITE: GER. 102 OR EQUIVALENT. STUDENTS WHO HAVE COMPLETED GER. 104 MAY ENROLL ONLY WITH DEPARTMENTAL PERMISSION.
 2 HOURS

37903 LECT-DISC N 10 TU TH 336 L H PABISCH
 37911 LECT-DISC P 11 TU TH 336 L H PABISCH

GER 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS

37920 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

GER 210 MASTERPIECES OF GERMAN LITERATURE.
 PREREQUISITE: TWO YEARS OF COLLEGE GERMAN OR EQUIVALENT.
 3 HOURS

37938	LECT-DISC	B1	9	M W F	216	L H
37946	LECT-DISC	B2	9	M W F	270	L H
37954	LECT-DISC	C1	10	M W F	186	L H
37962	LECT-DISC	C2	10	M W F	336	L H

GER 211 CONVERSATION AND WRITING, I.
PREREQUISITE: GER. 103 AND 113, OR GER. 104, OR EQUIVALENT.
3 HOURS

37971	LECT-DISC	F1	2	MTWTH	186	L H	
37989	LECT-DISC	F2	2	MTWTH	396	L H	
37997	LECT-DISC	G1	3	MTWTH	186	L H	

GER 212 CONVERSATION AND WRITING, II.
PREREQUISITE: GER. 211 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS

38011	LECT-DISC	F1	2	MTWTH	329	G H	
38020	LECT-DISC	F2	2	MTWTH	162	L H	FOLTER
38038	LECT-DISC	G1	3	MTWTH	329	G H	
38046	LECT-DISC	G2	3	MTWTH	162	L H	

GER 250 THE NOVELLE OF THE NINETEENTH CENTURY.
PREREQUISITE: GER. 210.
3 HOURS

38054	LECT-DISC	D	11	M W F	270	L H	R. FIGGE
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GER 252 NINETEENTH CENTURY GERMAN DRAMA.
PREREQUISITE: GER. 210 OR EQUIVALENT.
3 HOURS

38062	LECT-DISC	B	9	M W F	332	ARMORY	SCHWALBE
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GER 253 TWENTIETH CENTURY GERMAN DRAMA.
PREREQUISITE: GER. 210 OR EQUIVALENT.
3 HOURS

38071	LECT-DISC	C	10	M W F	270	L H	KNUST
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GER 260 LYRICS AND BALLADS.
PREREQUISITE: GER. 210 OR EQUIVALENT.
3 HOURS

38089	LECT-DISC	D	11	M W F	370	L H	LORBE
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GER 270 TWENTIETH CENTURY GERMAN LITERATURE.
PREREQUISITE: GER. 210 AND ENROLLMENT IN TEACHER TRAINING PROGRAM.
3 HOURS

38097	LECT-DISC	X	12	MTWTHF	370	L H	LORBE
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GER 281 TEACHERS COURSE.
PREREQUISITE: CONSENT OF INSTRUCTOR.
2 HOURS
WILL NOT MEET DURING SIX WEEK STUDENT TEACHING PERIOD.

38101	LECT-DISC	E	1	M W F	370	L H	HOLST
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GER 292 SENIOR THESIS AND HONORS COURSE, II.
PREREQUISITE: SENIOR STANDING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

38119	CONF		ARR				
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GER 302 GERMAN LITERATURE SINCE 1700.
PREREQUISITE: GER. 210 AND ONE OTHER COURSE IN GERMAN LITERATURE OR EQUIVALENT.
3 HOURS OR 3/4 UNIT

38127	LECT-DISC	B	9	M W F	370	L H	SJOGREN
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GER 303 ADVANCED CONVERSATION, COMPOSITION, AND SYNTAX.
PREREQUISITE: THREE YEARS OF COLLEGE GERMAN, INCLUDING GER. 212, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT

38135	LECT-DISC	F	2	MTWTH	336	L H	HOLST
38143	LECT-DISC	G	3	MTWTH	388	L H	HOLST

GER	304	ADVANCED CONVERSATION. WILL NOT MEET DURING SIX-WEEK STUDENT TEACHING PERIOD. PREREQUISITE: GER. 303 OR EQUIVALENT. 1 HOUR OR 0 UNIT							
	38151	LECT-DISC F	2	M W	388	L H			
	38160	LECT-DISC U	4	TU TH	396	L H			
GER	305	MODERN GERMAN POETRY. PREREQUISITE: GER. 210 AND ONE OTHER LITERATURE COURSE, OR EQUIVALENT, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT							
	38178	LECT-DISC C	10	M W F	388	L H		LORBE	
GER	331	THE AGE OF LESSING. PREREQUISITE: GER. 210 AND ONE OTHER COURSE IN GERMAN LITERATURE OR EQUIVALENT. 3 HOURS OR 3/4 UNIT							
	38186	LECT-DISC F	2	M W F	224	D K H		SCHWALBE	
GER	360	INTRODUCTION TO GERMAN PHONETICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 2 HOURS OR 1/2 UNIT *WILL NOT MEET DURING SIX WEEK STUDENT TEACHING PERIOD.							
	38194	LECT-DISC *N	10-12	TU TH S	270	L H		NOCK	
GER	366	GERMAN SYNTAX. PREREQUISITE: GER. 365 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT							
	38208	LECT-DISC D	11	M W F	388	L H		RAUCH	
GER	382	LANGUAGE LABORATORY TECHNIQUES. SAME AS FR., SLAV., AND SPAN. 382. PREREQUISITE: THREE YEARS OF MODERN FOREIGN LANGUAGE AT THE COLLEGE LEVEL, OR THE EQUIVALENT. 2 HOURS OR 1/2 UNIT							
	38216	LECT-DISC	1	TU TH	236	L H		NACHTMANN	
GER	392	TOPICS IN GERMAN LITERATURE. PREREQUISITE: TWO ADVANCED COURSES IN GERMAN LITERATURE. 4 HOURS, OR 1 UNIT SECTION T TOPIC: C. F. MEYER.							
	38224	LECT-DISC T	3-430	TU TH	370	L H		BURKHARD	

COURSES FOR GRADUATES

GER	400	BEGINNING GERMAN FOR GRADUATE STUDENTS. 4 HOURS							
	38232	LECT-DISC 8	9	MTUWTH	388	L H			
	38241	LECT-DISC X1	12	MTUWTH	388	L H			
	38259	LECT-DISC X2	12	MTUWTH	396	L H			
	38267	LECT-DISC E	1	MTUWTH	388	L H			
GER	401	READINGS IN GERMAN FOR GRADUATE STUDENTS. PREREQUISITE: GER. 400 OR EQUIVALENT. 4 HOURS *SECTIONS A1, 8 AND X1 DO READING PARTICULARLY IN THE HUMANITIES AND THE SOCIAL SCIENCES, SECTIONS A2 AND X2 IN THE NATURAL SCIENCES.							
	38275	LECT-DISC *A1	8	M W F	162	L H			
	38305	LECT-DISC *A2	8	M W F	186	L H			
	38283	LECT-DISC *8	9	M W F	429	L H			
	38291	LECT-DISC *X1	12	M W F	111	G H			
	38313	LECT-DISC *X2	12	M W F	329	G H		SCHWALBE	
GER	412	PROSEMINAR. PREREQUISITE: GER. 365 OR EQUIVALENT. 1 UNIT							
	38321	LECT-DISC F	2-5	F	336	L H		ANTONSEN	

GER 416 MIDDLE HIGH GERMAN LITERATURE.
PREREQUISITE: GER. 415 OR EQUIVALENT.
1 UNIT
38330 LECT-DISC R 1-3 TU TH 270 L H NOCK

GER 420 HISTORY OF THE GERMAN LANGUAGE.
PREREQUISITE: GER. 365.
1 UNIT
38348 LECT-DISC D 11 M W F 429 LIB ANTONSEN

GER 442 NINETEENTH CENTURY GERMAN REALISM.
PREREQUISITE: GER. 301 AND 302 OR EQUIVALENT.
1 UNIT
38356 LECT-DISC W 715-10PM W 429 LIB FREY

GER 447 OLD SAXON.
PREREQUISITE: GER. 445 OR ENGL. 401.
1 UNIT
38364 LECT-DISC E 1 M W F 216 L H RAUCH

GER 451 NATURALISM, SYMBOLISM, EXPRESSIONISM.
1 UNIT
38372 LECT-DISC 9-11 TH 331 G H KNUST

GER 460 SEMINAR IN OLDER GERMAN LITERATURE.
PREREQUISITE: GER. 411 AND 495.
1 UNIT
TOPIC: WOLFRAM.
38381 LECT-DISC F 2-5 F 429 LIB MARCHAND

GER 461 SEMINAR IN MODERN GERMAN LITERATURE.
PREREQUISITE: GER. 411 AND 495.
1 UNIT
SECTION H TOPIC: STIFTER.
SECTION H1 TOPIC: DIE TECHNIK DES DEUTSCHEN ROMANS.
38399 LECT-DISC H 4-6 W 429 LIB SJOGREN
38402 LECT-DISC H1 4-6 M 401 L H JOST

GER 493 RESEARCH IN SPECIAL TOPICS.
*MAY BE REPEATED FOR A MAXIMUM OF 2 UNITS.
*1/4 TO 2 UNITS
38411 CONF X ARR
38429 CONF Y ARR
38437 CONF Z ARR

GER 499 THESIS RESEARCH.
0 TO 4 UNITS
38445 CONF ARR

GERMANIC

GERMANIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 371 L H

COURSES FOR UNDERGRADUATES

GMC 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
38453 CONF ARR FON WEARINGA

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GMC 367 INTRODUCTION TO GERMANIC LINGUISTICS.
 SAME AS LING. 367.
 PREREQUISITE: COMPLETION OF THE FOREIGN LANGUAGE REQUIREMENT IN THE
 COLLEGE OF LIBERAL ARTS AND SCIENCES, OR EQUIVALENT. SOME
 KNOWLEDGE OF GERMAN DESIRABLE.
 2 HOURS OR 1/2 UNIT
 38461 LECT-DISC B 9 TU TH 216 L H ANTONSEN

GREEK, MODERN -- SEE MODERN GREEK

GREEK

DEPARTMENT OFFICE

361 L H

MAJOR: TWENTY HOURS. IN ADDITION, CLASSICAL CIVILIZATION 301-302
 IS STRONGLY RECOMMENDED AS AN ELECTIVE.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH
 AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ENGLISH LITERATURE,
 FOREIGN LANGUAGE (LATIN BEING ESPECIALLY RECOMMENDED), HISTORY,
 LIBRARY SCIENCE, AND PHILOSOPHY.

CREDIT FOR NEW TESTAMENT GREEK TRANSFERRED FROM OTHER INSTITUTIONS
 IS NOT COUNTED TOWARD A MAJOR OR MINOR UNTIL AFTER THE SATISFACTORY
 COMPLETION OF GREEK 201-202 AND THEN ONLY TO A POSSIBLE MAXIMUM OF
 EIGHT HOURS AS THE EQUIVALENT OF GREEK 101-102 AND THREE HOURS AS
 THE EQUIVALENT OF ONE SEMESTER OF GREEK 391.

COURSES FOR UNDERGRADUATES

GRK 101 ELEMENTARY GREEK.
 *NO CREDIT TOWARD GRADUATION IS GIVEN FOR GRK 101 WITHOUT GRK 102.
 *4 HOURS
 38470 LECT-DISC A 11 MTUWTH 113 D K H ROBBINS

GRK 102 ELEMENTARY GREEK.
 PREREQUISITE: GRK. 101 OR EQUIVALENT.
 4 HOURS
 38488 LECT-DISC A 11 MTUWTH 209 D K H TAYLOR

COURSES FOR ADVANCED UNDERGRADUATES

GRK 201 SECOND-YEAR GREEK, I.
 PREREQUISITE: GRK. 102 OR EQUIVALENT.
 4 HOURS
 38496 LECT-DISC A 2 MTUWTH 209 D K H ROBBINS

GRK 202 SECOND-YEAR GREEK, II.
 PREREQUISITE: GRK. 201 OR EQUIVALENT.
 4 HOURS
 38500 LECT-DISC A 1 MTUWTH 394 L H NAOMIDES

GRK 291 SENIOR THESIS.
 OPEN TO CANDIDATES FOR DISTINCTION IN GREEK.
 PREREQUISITE: SENIOR STANDING.
 2 TO 4 HOURS
 38518 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GRK	302	THIRD-YEAR GREEK, II. PREREQUISITE: GREEK 301. 3 HOURS OF 1/2 UNIT							
	38526	LECT-DISC A	11-1230	TU TH	394	L H		JACOBSON	
GRK	391	READINGS IN GREEK LITERATURE. PREREQUISITE: GREEK 302 OR EQUIVALENT. *MAY BE REPEATED FOR MAXIMUM OF 12 HOURS CREDIT. *3 HOURS OR 3/4 UNIT							
	38534	LECT-DISC A	11	M W F	394	L H		NEWMAN	

COURSES FOR GRADUATES

UNLESS OTHERWISE NOTED, THE PREREQUISITE TO ALL COURSES IS THREE YEARS OF COLLEGE GREEK.

GRK	416	THUCYDIDES. 1 UNIT							
	38542	LECT-DISC A	9-11	M W	409	L18		NAOUMIDES	
GRK	491	DIRECTED READING. PREREQUISITE: SECOND YEAR GRADUATE STANDING. *NO STUDENT MAY OFFER MORE THAN 1 UNIT OF CREDIT IN THIS COURSE TOWARD THE DEGREE OF PH. D. 1/4 TO 1 UNIT							
	38551	CONF	ARR					STAFF	
GRK	496	BIBLIOGRAPHY AND CRITICISM, II. SAME AS LAT. 496. PREREQUISITE: FOUR YEARS OF COLLEGE LATIN OR EQUIVALENT. 1/2 UNIT							
	38569	LECT-DISC A	2	TU TH	409	L18		OLIVER	
GRK	499	THESIS RESEARCH. 0 TO 4 UNITS							
	38577	CONF	ARR					STAFF	

HEALTH EDUCATION

DEPARTMENT OFFICE

114 HUFF GYM

COURSES FOR UNDERGRADUATES

H ED	150	HEALTH AND MODERN LIFE. PREREQUISITE: CREDIT OR REGISTRATION IN ZOOL. 104, OR CONSENT OF INSTRUCTOR. 3 HOURS							
	38585	LECT-DISC A	8	M W F	207	H G		HOYMAN	
	38593	LECT-DISC D	11	M W F	207	H G		STONE	
	38607	LECT-DISC E	1	M W F	211	H G		CONLEY	

COURSES FOR ADVANCED UNDERGRADUATES

H ED	250	SPECIAL PROBLEMS. PREREQUISITE: JUNIOR OR SENIOR STANDING; MINIMUM GRADE POINT AVERAGE OF 3.5; CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF DEPARTMENT HEAD. *MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT. *2 OR 3 HOURS							
	38615	LAB-DISC D1	ARR						

H ED	260	HONORS SEMINAR. SAME AS P. E. M., P. E. W., AND REC. 260. PREREQUISITE: JAMES SCHOLAR OR GRADE-POINT AVERAGE OF 4.0 THE PRECEDING SEMESTER; CONSENT OF FACULTY ADVISER, INSTRUCTOR AND HEAD OF DEPARTMENT. *MAY BE REPEATED FOR A TOTAL OF 6 HOURS CREDIT. *2 HOURS									
	38623	LECT-DISC	6X1	7-9PM	TU	15	E B				
	38631	LECT-DISC	6X2	7-9PM	TU	2078	FREER GYM				
	38640	LECT-DISC	6X3	7-9PM	TU TH	209	H G				
H ED	281	FIRST AID. 2 HOURS									
	38658	LECT-DISC	L	8	TU TH	211	H G			STONE	
	38666	LECT-DISC	N	10	TU TH	211	H G			CONLEY	
	38674	LECT-DISC	P	11	TU TH	211	H G			CONLEY	
	38682	LECT-DISC	R	1	TU TH	211	H G			STAFF	
	38691	LECT-DISC	S	2	TU TH	211	H G			OLSEN	
H ED	282	ORGANIZATION OF SCHOOL HEALTH PROGRAMS. 3 HOURS *ONE ADDITIONAL HOUR OF LAB PER WEEK TO BE ARRANGED IN ROOM 212A HUFF GYM.									
	38704	LECT-DISC	A	*8	M W F	211	H G			CRESWELL	
	38712	LECT-DISC	C	*10	M W F	211	H G			OLSEN	
	38721	LECT-DISC	F	*2	M W F	209	H G			CONLEY	
H ED	287	CONCEPTS OF HEALTH, AGING, AND LONGEVITY. PREREQUISITE: HL. SC. 104, 110, PHYSL. 103. 2 HOURS									
	38739	LECT-DISC	R	1	TU TH	154	ARMORY			STONE	
H ED	288	PRINCIPLES OF HEALTH EDUCATION. PREREQUISITE: H. ED. 282. 3 HOURS *ONE ADDITIONAL HOUR OF LAB PER WEEK TO BE ARRANGED IN ROOM 212A HUFF GYM.									
	38747	LECT-DISC	B	*9	M W F	207	H G			CRESWELL	
H ED	289	HEALTH EDUCATION FIELD WORK. PREREQUISITE: JUNIOR STANDING IN COMMUNITY HEALTH EDUCATION. 0 CREDIT									
	38755	LAB-DISC	ARR							OLSEN	
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES											
H ED	374	PROBLEMS IN HUMAN ECOLOGY. SAME AS ANTH., GEOG., SOC., PHYSL., PSYCH., V.M.S. 374. PREREQUISITE: ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S., OR ZOOL. 369. 4 HOURS OR 1 UNIT *ONE DISC HOUR TO BE ARRANGED.									
	38763	LECT-DISC	*11		M W F	242	BEV HALL			LEVINE AND HOYMAN	
H ED	390	PUBLIC HEALTH EDUCATION. PREREQUISITE: SENIOR OR GRADUATE STANDING IN HEALTH EDUCATION OR CONSENT OF INSTRUCTOR. 2 HOURS OR 1/2 UNIT									
	38771	LECT-DISC	N	10-12	TU	154	ARMORY			OLSEN	
ED	391	PUBLIC HEALTH STATISTICS. PREREQUISITE: MATH. 161, OR EDPSY. 390, OR EQUIVALENT. 2 HOURS OR 1/2 UNIT									
	38780	LECT-DISC	N	10-12	S	207A	H G			BRIDGER	
EO	392	HEALTH AND SAFETY EDUCATION IN THE ELEMENTARY SCHOOL. PREREQUISITE: ONE YEAR OF BIOLOGICAL SCIENCE. 3 HOURS OR 1/2 UNIT									
	38798	LECT-DISC	H	4-6	W	211	H G			STONE	

COURSES FOR GRADUATES

H ED 401 PROBLEMS IN SCHOOL HEALTH EDUCATION.
1 UNIT
38801 LECT-DISC U 4-6 TU 207A H G HOYMAN

H ED 490 SEMINAR.
PREREQUISITE: H. ED. 495.
0 CREDIT
38810 LECT-DISC ARR 400 H G HUFFMAN

H ED 493 SPECIAL PROJECTS.
PREREQUISITE: EDPSY. 390, P. E. 495, AND H. ED. 400 OR
EQUIVALENTS, DOCTORAL CANDIDATE.
1/2 OR 1 UNIT
38828 LECT-DISC ARR STAFF

H ED 499 THESIS RESEARCH.
PREREQUISITE: H. ED. 495.
1/2 TO 2 UNITS
38836 CONF ARR STAFF

HEALTH SCIENCE

DEPARTMENT OFFICE

HEALTH CENTER

COURSES FOR UNDERGRADUATES

HL SC 110 PUBLIC HEALTH.
PREREQUISITE: TWO HOURS CREDIT IN HEALTH SCIENCE OR
SOPHOMORE STANDING.
FIELD TRIPS.
2 HOURS
38844 LECT-DISC P 11 TU TH 144 BEV HALL FELLA

COURSES FOR ADVANCED UNDERGRADUATES

HL SC 200 MENTAL HEALTH.
2 HOURS
38852 LECT-DISC P 11 TU TH 393 BEV HALL
38861 LECT-DISC R 1 TU TH 144 BEV HALL

HL SC 206 SEX EDUCATION AND FAMILY LIFE.
PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
INSTRUCTORS TEACHING HL. SC. 206 ARE BOSTROM, CAVINS, GENT, KIERSCH
STUBING, TEIGLER, YARDY, AND YOUNG.

38879	LECT-DISC	B	9	M W	393	BEV HALL
38887	LECT-DISC	C	10	M W	393	BEV HALL
38895	LECT-DISC	D	11	M W	393	BEV HALL
38909	LECT-DISC	E	1	M W	393	BEV HALL
38917	LECT-DISC	F	2	M W	393	BEV HALL
38925	LECT-DISC	L	8	TU TH	393	BEV HALL
38933	LECT-DISC	M	9	TU TH	393	BEV HALL
38941	LECT-DISC	N	10	TU TH	393	BEV HALL
38950	LECT-DISC	R	1	TU TH	393	BEV HALL
38968	LECT-DISC	S	2	TU TH	393	BEV HALL

HEBREW, MODERN -- SEE MODERN HEBREW

HEBREW

DEPARTMENT OFFICE

361 L H

COURSES FOR UNDERGRADUATES

HEBR 111 INTRODUCTION TO BIBLICAL HEBREW.
 PREREQUISITE: HEBR. 110.
 4 HOURS
 38976 LECT-DISC A 1 MTUWTH 304 L H MARBLESTONE

HINDI

DEPARTMENT OFFICE

309H O H

COURSES FOR ADVANCED UNDERGRADUATES

HINDI 202 ELEMENTARY HINDI, II.
 ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK
 WEEKLY IN THE LANGUAGE LABORATORY.
 PREREQUISITE: HINDI 201.
 5 HOURS
 38984 LECT 1 M WTHF 8 COM W
 LAB 10-12 W 262 L H SUBBARAD
 SIDDIQUI

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HINDI 304 INTERMEDIATE HINDI, II.
 ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK
 IN THE LANGUAGE LABORATORY.
 PREREQUISITE: HINDI 303 OR EQUIVALENT.
 5 HOURS OR 1 UNIT
 38992 LECT 2 MTUWTH 8 COM W
 LAB 3 F 312 O H KOUL, SUBBARAD
 SIDDIQUI

HINDI 306 ADVANCED HINDI, II.
 PREREQUISITE: HINDI 305 OR CONSENT OF INSTRUCTOR.
 5 HOURS OR 1 UNIT
 39009 LECT 9 MTUWTH 8 COM W
 LAB 9 F 8 COM W SUBBARAD
 SUBBARAD

HINDI 308 ADVANCED HINDI, IV.
 PREREQUISITE: HINDI 307 OR CONSENT OF INSTRUCTOR.
 5 HOURS OF 1 UNIT
 86667 LECT-DISC 11-1230 M F 355 1208 W CAL KACHRU, Y.

HISTORY

DEPARTMENT OFFICE

359 ARMORY

MAJOR: TWENTY-FOUR HOURS IN HISTORY, ALL IN COURSES HAVING JUNIOR
 STANDING AS A PREREQUISITE: ONE FRESHMAN-SOPHOMORE SURVEY COURSE
 SEQUENCE (HISTORY 111-112, 131-132, 151-152, 181-182, 191-192;
 DGS 121-122) OR ITS EQUIVALENT, MUST BE TAKEN AS A PREREQUISITE
 TO THE MAJOR. THE COURSES OFFERED MUST INCLUDE AT LEAST TWELVE
 HOURS IN AN AREA OF SPECIALIZATION AND AT LEAST SIX HOURS IN A
 SECOND AREA. THE FOLLOWING AREAS MAY BE SELECTED: ANCIENT,
 MEDIEVAL AND RENAISSANCE; EUROPE SINCE 1500; UNITED STATES AND
 LATIN AMERICA; ASIA. ALL MAJORS ARE REQUIRED TO TAKE
 HISTORY 298; TO BE ELIGIBLE FOR THIS COURSE, EACH MAJOR
 MUST HAVE SENIOR STANDING.

MINORS: TWENTY HOURS, NOT INCLUDING MORE THAN FOUR HOURS OPEN TO FRESHMEN, IN ONE OR TWO OF THE FOLLOWING: ANCIENT OR MODERN LANGUAGE EXCLUDING ELEMENTARY COURSES 101 AND 102, ANTHROPOLOGY, ECONOMICS, ENGLISH AND AMERICAN LITERATURE, GEOGRAPHY, LIBRARY SCIENCE, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, AND SOCIOLOGY. ONE OF THE CURRICULA IN LATIN AMERICAN STUDIES, RUSSIAN LANGUAGE AND AREA STUDIES, ASIAN STUDIES OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR, EXCLUDING THE COURSES IN HISTORY.

COURSES FOR UNDERGRADUATES

NOTE: D G S 121 AND 122, HISTORY OF CIVILIZATION, ARE ACCEPTED AS SATISFYING THE PREREQUISITE OF A YEAR OF COLLEGE HISTORY IN ALL CASES IN WHICH IT IS REQUIRED.

HIST 112 HISTORY OF WESTERN CIVILIZATION, 1815 TO THE PRESENT.

4 HOURS

*DISCUSSION & IS RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

39017	DISC	A1	8	W F	430	ARMORY	
	LECT	I	10	TU TH	112	G H	SUNLER
39025	DISC	A2	9	W F	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39033	DISC	B1	9	TU TH	333	ARMORY	
	LECT	I	10	TU TH	112	G H	
39041	DISC	B2	9	TU TH	146	ARMORY	
	LECT	I	10	TU TH	112	G H	
39050	DISC	C1	10	W F	148	ARMORY	
	LECT	I	10	TU TH	112	G H	
39068	DISC	C2	10	W F	333	ARMORY	
	LECT	I	10	TU TH	112	G H	
39076	DISC	D1	10	W F	146	ARMORY	
	LECT	I	10	TU TH	112	G H	
39084	DISC	D2	11	W F	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39092	DISC	E	11	TU TH	106	L H	
	LECT	I	10	TU TH	112	G H	
39106	DISC	F	12	M W	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39114	DISC	G	12	TU TH	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39122	DISC	H	1	M W	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39131	DISC	J	1	TU TH	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39149	DISC	K	1	TU TH	333	ARMORY	
	LECT	I	10	TU TH	112	G H	
39157	DISC	L	2	TU TH	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39165	DISC	L1	2	TU TH	430	ARMORY	
	LECT	I	10	TU TH	112	G H	
39173	DISC	L2	3	TU TH	430	ARMORY	
	LECT	I	10	TU TH	112	G H	
39181	DISC	L3	3	M W	329	ARMORY	
	LECT	I	10	TU TH	112	G H	
39190	DISC	M	8	TU TH	328	ARMORY	
	LECT	II	9	M W	112	G H	SUNLER
39203	DISC	N	8	TU TH	106	L H	
	LECT	II	9	M W	112	G H	
39211	DISC	O	9	TU TH	430	ARMORY	
	LECT	II	9	M W	112	G H	HINELY
39220	DISC	P	9	TU TH	133	ARMORY	
	LECT	II	9	M W	112	G H	
39238	DISC	R	10	TU TH	329	ARMORY	
	LECT	II	9	M W	112	G H	
39246	DISC	T	11	M W	133	ARMORY	
	LECT	II	9	M W	112	G H	
39343	DISC	*G S	11	M W	430	ARMORY	
	LECT	*II	9	M W	112	G H	
39254	DISC	U	11	TU TH	133	ARMORY	
	LECT	II	9	M W	112	G H	
39262	DISC	W	12	TU TH	333	ARMORY	
	LECT	II	9	M W	112	G H	

HIST 112	CONTINUED									
39271	DISC	X1	12	M W	333	ARMORY				
	LECT	11	9	M W	112	G H				
39289	DISC	X2	1	TU TH	133	ARMORY				
	LECT	11	9	M W	112	G H				
39297	DISC	X3	1	M W	133	ARMORY				
	LECT	11	9	M W	112	G H				
39301	DISC	X4	2	TU TH	133	ARMORY				
	LECT	11	9	M W	112	G H				
39319	DISC	X5	2	TU TH	116	L H				
	LECT	11	9	M W	112	G H				
39327	DISC	X6	2	M W	329	ARMORY				
	LECT	11	9	M W	112	G H				
39335	DISC	X7	3	TU TH	133	ARMORY				
	LECT	11	9	M W	112	G H				

HIST 132 HISTORY OF ENGLAND, 1688 TO THE PRESENT.

4 HOURS

*DISC. &S--RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

39351	LECT		11	M W	L H THEATRE	ARNSTEIN
39360	DISC	A	8	TU TH	430	ARMORY
39378	DISC	B	8	TU TH	333	ARMORY
39386	DISC	C	9	TU TH	329	ARMORY
39394	DISC	D	9	TU TH	106	L H
39408	DISC	E	10	TU TH	333	ARMORY
39416	DISC	F	10	TU TH	433	ARMORY
39424	DISC	G	11	TU TH	333	ARMORY
39530	DISC	*GS	11	TU TH	329	ARMORY
39432	DISC	H	12	M W	433	ARMORY
39441	DISC	J	12	TU TH	328	ARMORY
39459	DISC	K	12	TU TH	146	ARMORY
39467	DISC	L	1	M W	333	ARMORY
39475	DISC	M	1	TU TH	328	ARMORY
39483	DISC	N	1	TU TH	146	ARMORY
39491	DISC	O	2	M W	146	ARMORY
39505	DISC	P	2	TU TH	328	ARMORY
39513	DISC	R	2	TU TH	428	ARMORY
39521	DISC	T	3	TU TH	328	ARMORY

HIST 152 HISTORY OF THE UNITED STATES FROM 1865 TO THE PRESENT.

*CREDIT IS NOT GIVEN FOR BOTH HIST. 152 AND 262.

*4 HOURS

DISCUSSION &S IS RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

39548	DISC	A	8	TU TH	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		KRUEGER
39556	DISC	B	8	TU TH	146	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39564	DISC	C	8	TU TH	428	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39572	DISC	D	9	TU TH	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39581	DISC	E	9	TU TH	328	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39599	DISC	F	9	W F	328	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39602	DISC	G	9	M W	133	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39611	DISC	H	10	TU TH	146	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39629	DISC	J	10	TU TH	106	L H	
	LECT	I	8	M W	L H THEATRE		
39637	DISC	K	10	TU TH	133	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39645	DISC	L	10	M W	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		JOHANNSEN
39653	DISC	L1	10	M W	133	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39661	DISC	L2	11	TU TH	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39670	DISC	L3	11	M W	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39688	DISC	L4	11	TU TH	146	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39696	DISC	L5	12	TU TH	433	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39700	DISC	L6	1	TU TH	106	L H	
	LECT	I	8	M W	L H THEATRE		
39718	DISC	L7	2	M W	328	ARMORY	
	LECT	I	8	M W	L H THEATRE		
39726	DISC	L8	2	TU TH	146	ARMORY	
	LECT	I	8	M W	L H THEATRE		

HIST 152	CONTINUED							
39734	DISC	L9	2	TU TH	106	L H		
	LECT	I	8	M W		L H THEATRE		
39742	DISC	L10	3	TU TH	106	L H		
	LECT	I	8	M W		L H THEATRE		
39751	DISC	M	8	M W	106	L H		
	LECT	II	8	M W	112	G H		SPENCE
39769	DISC	N	9	M W	430	ARMORY		
	LECT	II	8	M W	112	G H		
39777	DISC	O	9	TU TH	428	ARMORY		
	LECT	II	8	M W	112	G H		
39785	DISC	P	9	M W F	146	ARMORY		
	LECT	II	8	M W	112	G H		
39793	DISC	R	10	M W	430	ARMORY		
	LECT	II	8	M W	112	G H		
39904	DISC	6S	3	M W	433	ARMORY		JOHANNSEN
	LECT	II	2	M W	112	G H		
39807	DISC	T	11	M W F	146	ARMORY		
	LECT	II	8	M W	112	G H		
39815	DISC	U	11	TU TH	430	ARMORY		
	LECT	II	8	M W	112	G H		
39823	DISC	W	12	TU TH	133	ARMORY		
	LECT	II	8	M W	112	G H		
39831	DISC	X1	12	M W	430	ARMORY		
	LECT	II	8	M W	112	G H		
39840	DISC	X2	1	TU TH	430	ARMORY		
	LECT	II	8	M W	112	G H		
39858	DISC	X3	1	TU TH	433	ARMORY		
	LECT	II	8	M W	112	G H		
39866	DISC	X4	1	M W F	430	ARMORY		
	LECT	II	8	M W	112	G H		
39874	DISC	X5	2	TU TH	433	ARMORY		
	LECT	II	8	M W	112	G H		
39882	DISC	X6	3	TU TH	433	ARMORY		
	LECT	II	8	M W	112	G H		
39891	DISC	X7	3	M W	333	ARMORY		
	LECT	II	8	M W	112	G H		

HIST 182	THE ANCIENT WORLD. ROME.						
	PREREQUISITE: SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR.						
	3 HOURS						
39912	LECT		2	M W	213	G H	MITCHELL
39921	DISC	A	2	TH	136	ARMORY	
39939	DISC	B	3	TH	329	ARMORY	
39947	DISC	C	2	F	329	ARMORY	
39955	DISC	O	3	F	430	ARMORY	

HIST 192	MODERN EASTERN CIVILIZATIONS.						
	4 HOURS						
39963	LECT		11	M W F	66	LIBRARY	DAWN, EASTMAN PIERSON
39971	DISC	A	3	TU	146	ARMORY	
39980	DISC	B	4	M	333	ARMORY	
39998	DISC	C	2	M	430	ARMORY	
40006	DISC	D	4	TH	329	ARMORY	
40014	DISC	E	2	W	430	ARMORY	
40022	DISC	F	3	TH	146	ARMORY	

HIST 198	FRESHMAN SEMINAR.						
	PREREQUISITE: JAMES SCHOLAR STANDING OR OTHER DESIGNATION AS A SUPERIOR STUDENT, AND CONSENT OF INSTRUCTOR.						
	3 HOURS						
40031	DISC		130-3	TU	204	1208 W CAL	CRAWFORD

COURSES FOR ADVANCED UNDERGRADUATES

HIST 210	THE NEAR EAST FROM NAPOLEON TO THE PRESENT.						
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY.						
	2 HOURS						
40049	LECT		8	TU TH	329	ARMORY	DAWN

HIST 212	THE CONTEMPORARY WORLD: ECONOMIC, SOCIAL, AND CULTURAL ASPECTS.						
	3 HOURS						
40057	LECT		10	M W F	114	D K H	FRANK

HIST 219	SURVEY OF RUSSIAN HISTORY FROM EARLY TIMES TO THE PRESENT. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, OR CONSENT OF INSTRUCTOR. 3 HOURS						
40065	LECT	10	M	W	F	101	ARMORY UROFF
HIST 290	TEACHING OF HISTORY. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, SENIOR STANDING. 2 HOURS *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.						
40073	LECT	*8	M	W	F	333	ARMORY OAH
HIST 293	THESIS. PREREQUISITE: HISTORY MAJOR WITH SENIOR STANDING AND A 4.0 GRADE-POINT AVERAGE, AND WRITTEN CONSENT OF THE HONORS ADVISOR. *STUDENTS MAY ACCUMULATE 6 HOURS. *3 HOURS						
40081	CONF	6	ARR				STAFF
HIST 295	READING COURSE. PREREQUISITE: JUNIOR OR SENIOR OF HIGH STANDING AND WRITTEN CONSENT OF THE HONORS ADVISOR. 2 TO 4 HOURS						
40090	CONF	6	ARR				STAFF
HIST 298	COLLOQUIUM IN HISTORY. PREREQUISITE: ENROLLMENT AS A HISTORY MAJOR OR HISTORY TEACHER TRAINEE, WITH SENIOR STANDING. 3 HOURS						
40103	DISC	A	1-3	M		11	COM W SOLBERG
40111	DISC	B	1-3	TU		11	COM W BERNARD
40120	DISC	C	1-3	M		96	COM W APPLEBAUM
40138	DISC	D	1-3		TH	212	D K H PIERSON
40146	DISC	E	1-3		W	11	COM W DOBSON
40154	DISC	F	4-6	TU		8	COM W FOSTER
40162	DISC	G	1-3	TU		306	ARMORY SIRICH
40171	DISC	H	3-5	M		8	COM W MCKAY
40189	DISC	J	3-5		W	8	COM W FRANK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ONE YEAR OF COLLEGE HISTORY IS REQUIRED EXCEPT WHERE NOTED.

HIST 302	THE MIDDLE AGES, 1100 TO 1500 A. D. 3 HOURS, OR 1/2 OR 1 UNIT						
40197	LECT	2	M	W	F	428	ARMORY QUELLER
HIST 305	THE AGE OF THE RENAISSANCE. 3 HOURS, OR 1/2 OR 1 UNIT						
40201	LECT	3	M	W	F	328	ARMORY QUELLER
HIST 306	THE AGE OF THE PROTESTANT AND CATHOLIC REFORMATION, 1500 TO 1648. 3 HOURS, OR 1/2 OR 1 UNIT						
40219	LECT	10	M	W	F	428	ARMORY BERNARD
HIST 308	THE EUROPEANIZATION OF THE NEAR EAST, 1768 TO 1914. 3 HOURS, OR 1/2 OR 1 UNIT						
40227	LECT	8	M	W	F	329	ARMORY DAWN
HIST 312	EUROPEAN HISTORY FROM 1871 TO 1918. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE, OR ECONOMICS. 3 HOURS, OR 1/2 OR 1 UNIT						
40235	LECT	11	M	W	F	319	G H NICHOLS
HIST 316	ECONOMIC AND SOCIAL HISTORY OF EUROPE SINCE 1815. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR ECONOMICS, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT						
40243	LECT	11	M	W	F	428	ARMORY MCKAY

HIST 321	RUSSIA FROM PETER THE GREAT TO 1855. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40251	LECT	1	M W F	146	ARMORY	RANSEL
HIST 324	INTELLECTUAL HISTORY OF MODERN EUROPE, 1770 TO THE PRESENT. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40260	LECT	11	M W F	328	ARMORY	DOBSON
HIST 326	INTELLECTUAL AND CULTURAL HISTORY OF RUSSIA FROM 1881 TO THE PRESENT. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40278	LECT	8	M W F	328	ARMORY	UROFF
HIST 328	HISTORY OF SOVIET RUSSIA FROM 1917 TO THE PRESENT. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40286	LECT	3	M W F	101	ARMORY	RANSEL
HIST 332	MEDIEVAL ENGLAND. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40294	LECT	9	M W F	106	L H	HILL
HIST 337	ECONOMIC HISTORY OF AMERICAN AGRICULTURE. SAME AS AG. EC. AND ECON. 337. PREREQUISITE: A COLLEGE LEVEL COURSE IN BASIC ECONOMICS OR AMERICAN HISTORY. *GRADUATE STUDENTS TAKING THIS COURSE FOR ONE UNIT CREDIT ARE REQUIRED TO DO EXTRA WORK. *3 HOURS, OR 3/4 OR 1 UNIT	40308	LECT	8-10 9	TU TH	N107 N107	T H T H	GUITHER GUITHER
HIST 348	THE HISTORY OF MODERN SCIENCE SINCE THE AGE OF NEWTON. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR PHILOSOPHY OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40316	LECT	9	M W F	333	ARMORY	APPLEBAUM
HIST 352	COLONIAL BEGINNINGS OF AMERICAN LIFE AND INSTITUTIONS. 3 HOURS, OR 1/2 OR 1 UNIT	40324	LECT	10	M W F	106	L H	STEARNS
HIST 353	AMERICAN NEGRO HISTORY. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	40332	LECT	3	M W F	213	G H	MCCOLLEY
HIST 359	THE CIVIL WAR AND RECONSTRUCTION. 3 HOURS, OR 1/2 OR 1 UNIT	40341	LECT	1	M W F	141	COM W	JOHANNSEN
HIST 361	HISTORY OF THE UNITED STATES, 1909-1932. PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE OR ECONOMICS. 3 HOURS, OR 1/2 OR 1 UNIT	40359	LECT	9	M W F	213	G H	BATES
HIST 364	SOCIAL HISTORY OF INDUSTRIAL AMERICA SINCE 1890. 3 HOURS, OR 1/2 OR 1 UNIT	40367	LECT	11	M W F	106	L H	JAHER

HIST 366	HISTORY OF ILLINOIS FROM 1870 TO THE PRESENT.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.							
	2 HOURS OR 1/2 UNIT							
	*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.							
40375	LECT	*11	M	W	F	333	ARMORY	SUTTON
HIST 370	CONSTITUTIONAL DEVELOPMENT OF THE UNITED STATES SINCE 1865.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40383	LECT	9	M	W	F	428	ARMORY	FARNHAM
HIST 372	AMERICAN INTELLECTUAL AND CULTURAL HISTORY SINCE 1877.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40391	LECT	8	M	W	F	314	A H	SOLBERG
HIST 373	DIPLOMATIC HISTORY OF THE UNITED STATES TO THE END OF THE NINETEENTH CENTURY.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40405	LECT	10	M	W	F	213	G H	HEINRICHS
HIST 375	HISTORY OF LATIN AMERICA TO 1824.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40413	LECT	8	M	W	F	428	ARMORY	FALCOFF
HIST 376	HISTORY OF LATIN AMERICA SINCE 1824.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40421	LECT	10	M	W	F	329	ARMORY	FALCOFF
HIST 380	UNITED STATES AND LATIN AMERICA SINCE 1810.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY, OR ENROLLMENT IN THE LATIN AMERICAN STUDIES PROGRAM.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40430	LECT	10	TU			328	ARMORY	WHITAKER
		10-12	TH			328	ARMORY	WHITAKER
HIST 384	THE ROMAN EMPIRE.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40448	LECT	10	M	W	F	328	ARMORY	STARR
HIST 392	A HISTORY OF CHINA, 907-1644.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40456	LECT-OISC	10-1130	TU	TH		428	ARMORY	WECHSLER
HIST 394	TWENTIETH-CENTURY CHINA.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40464	LECT	2	M	W	F	333	ARMORY	EASTMAN
HIST 396	MODERN JAPAN.							
	PREREQUISITE: ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.							
	3 HOURS, OR 1/2 OR 1 UNIT							
40472	LECT	1	M	W	F	433	ARMORY	PIERSON
HIST 399	HISTORY AND THOUGHT OF CHINESE BUDDHISM.							
	PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR.							
	3 HOURS, OR 1/2 TO 1 UNIT							
40481	LECT	3-430	TU	TH		333	ARMORY	UNNO

COURSES FOR GRADUATES

HIST 408	PROBLEMS IN AMERICAN HISTORY SINCE 1865.							
	1 UNIT							
	TOPIC: AMERICAN DIPLOMATIC.							
40499	OISC	1-3	W			303	ARMORY	HEINRICHS

HIST	409	PROBLEMS IN ASIAN HISTORY.						
	1 UNIT							
	40502	DISC	1-3	W	212	O K H	WECHSLER	
HIST	413	SEMINAR IN ANCIENT HISTORY--ROME.						
	1 UNIT							
	40511	DISC	3-5	TU	96	COM W	MITCHELL	
HIST	415	SEMINAR IN MEDIEVAL HISTORY.						
	1 UNIT							
	40529	DISC	3-5	TH	424B	L18	HILL	
HIST	419	SEMINAR IN EUROPEAN HISTORY, 1648-1815.						
	1 UNIT							
	40537	DISC	3-5	W	303	ARMORY	SIRICH	
HIST	423	SEMINAR IN ENGLISH HISTORY TO 1688.						
	1 UNIT							
	40545	DISC	4-6	TH	8	COM W	FOSTER	
HIST	425	SEMINAR IN ENGLISH AND BRITISH EMPIRE HISTORY SINCE 1688.						
	1 UNIT							
	40553	DISC	1-3	M	337	ARMORY	ARNSTEIN	
HIST	427	SEMINAR IN RUSSIAN HISTORY.						
	1 UNIT							
	40561	DISC	3-5	M	11	COM W	FISHER	
HIST	445	SEMINAR IN EAST ASIAN HISTORY.						
	1 UNIT							
	40570	DISC	3-5	TU	94	COM W	EASTMAN	
HIST	451	SEMINAR IN EARLY AMERICAN HISTORY TO 1789.						
	1 UNIT							
	TOPIC: THE CRITICAL PERIOD.							
	40588	DISC	3-5	M	303	ARMORY	STEARNS	
HIST	453	SEMINAR IN AMERICAN HISTORY SINCE 1789.						
	1 UNIT							
	SECTION A: NATIONAL RESOURCES AND PUBLIC POLICY(ABOUT 1890 TO 1930)							
	*SECTION B: THE GILOED AGE (ABOUT 1890 TO 1930).							
	*SECTION C: URBAN AND REGIONAL ELITES AND UPPER CLASSES.							
	*SECTION D: THE MIDDLE PERIOD.							
	*SECTION E: TOPICS IN 20TH CENTURY AMERICAN RADICALISM.							
	*SECTION F: WASHINGTON'S FIRST ADMINISTRATION.							
	40596	DISC	*A	3-5	TH	303	ARMORY	BATES
	40600	DISC	*B	3-5	TU	349	ARMORY	FARNHAM
	40618	DISC	*C	1-3	TU	303	ARMORY	JAHER
	40626	DISC	*D	1-3	TU	349	ARMORY	JOHANNSEN
	40634	DISC	*E	1-3	M	303	ARMORY	KRUEGER
	40642	DISC	*F	1-3	TH	303	ARMORY	MCCOLLEY
HIST	461	SEMINAR IN LATIN-AMERICAN HISTORY.						
	1 UNIT							
	40651	DISC	3-5	TU	303	ARMORY	WHITAKER	
HIST	496	HISTORY OF HISTORIOGRAPHY.						
	1 UNIT							
	40669	LECT	2	TU TH	333	ARMORY	STARR	
HIST	497	READING COURSE.						
	PREREQUISITE: MASTERS DEGREE OR EQUIVALENT, CONSENT OF INSTRUCTOR.							
	1 UNIT							
	40677	CONF	ARR				STAFF	

HIST 498 PROBLEMS IN THE TEACHING OF COLLEGE HISTORY.
 PREREQUISITE: PH. D. CANDIDATE IN HISTORY.
 NO CREDIT
 40685 LECT 3-5 TU 329 ARMORY NICHOLS

HIST 499 THESIS RESEARCH.
 0 TO 4 UNITS
 40693 CONF ARR STAFF

HISTORY AND PHILOSOPHY OF EDUCATION

DEPARTMENT OFFICE

369 EOUC

COURSES FOR ADVANCED UNDERGRADUATES

HP ED 201 FOUNDATIONS OF AMERICAN EDUCATION.
 PREREQUISITE: (FOR STUDENTS NOT IN ELEMENTARY EDUCATION) SE. ED. 101 OR VOTEC. 101 AND PSYCH. 100. (FOR STUDENTS IN ELEMENTARY EDUCATION) PSYCH. 100 ONLY.
 2 HOURS
 *HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED THE CONSENT OF THE INSTRUCTOR.
 *SECTION 16 IS A SPECIAL SECTION. STUDENTS ENROLLED IN THIS SECTION MUST ALSO BE ENROLLED IN SECTION A OF EDPSY. 211. THE CONTENT OF THE TWO COURSES WILL BE COORDINATED SO THAT STUDENTS MAY UNDERSTAND THE RELATIONSHIP BETWEEN PSYCHOLOGICAL PRINCIPLES AND THE FOUNDATIONS OF AMERICAN SECONDARY EDUCATION.

40707	LECT-DISC	81	8-10	TU	136	ARMORY	STAFF
40715	LECT-DISC	2	8-10	TU	151	ARMORY	STAFF
40898	LECT-DISC	*83	9-11	TU	126	COM W	STAFF
40723	LECT-DISC	4	9-11	TU	152	ARMORY	STAFF
40731	LECT-DISC	5	10-12	TU	241	ARMORY	STAFF
40740	LECT-DISC	6	10-12	TU	242	ARMORY	STAFF
40758	LECT-DISC	7	1-3	TU	20	COM W	STAFF
40766	LECT-DISC	8	1-3	TU	126	COM W	STAFF
40774	LECT-DISC	9	8-10	W	113	D K H	STAFF
40782	LECT-DISC	10	9-11	W	219	G H	STAFF
40791	LECT-DISC	11	10-12	W	300	L H	STAFF
40804	LECT-DISC	12	8-10	TH	136	ARMORY	STAFF
40812	LECT-DISC	13	8-10	TH	151	ARMORY	STAFF
40821	LECT-DISC	14	9-11	TH	126	COM W	STAFF
40839	LECT-DISC	15	9-11	TH	152	ARMORY	STAFF
40901	LECT-DISC	*16	10-12	TH	330	ARMORY	STAFF
40847	LECT-DISC	17	10-12	TH	154	ARMORY	STAFF
40855	LECT-DISC	18	1-3	TH	147	ARMORY	STAFF
40863	LECT-DISC	19	1-3	TH	250	ARMORY	STAFF
40871	LECT-DISC	20	8-10	F	223	D K H	STAFF
40880	LECT-DISC	21	10-12	F	332	ARMORY	STAFF

HP ED 249 INDEPENDENT STUDY.
 PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
 2 HOURS
 40910 CONF ARR STAFF

HP ED 292 THESIS.
 PREREQUISITE: SENIOR STANDING.
 2 HOURS
 40928 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HP ED 301 PHILOSOPHY OF EDUCATION.
 2 HOURS OR 1/2 UNIT
 40936 LECT-DISC 4-6 TH 2 EDUC MCMURRAY

HP ED 302	HISTORY OF AMERICAN EDUCATION.							
	2 HOURS OR 1/2 UNIT							
40944	LECT-DISC	4-6	TU	166	EDUC		VIOLAS	
HP ED 303	COMPARATIVE EDUCATION.							
	2 HOURS OR 1/2 UNIT							
40952	LECT-DISC	4-6	TH	166	EDUC		SHORISH	
HP ED 304	SOCIAL FOUNDATIONS OF EDUCATION.							
	2 HOURS OR 1/2 UNIT							
40961	LECT-DISC A	7-9PM	M	213	G H		B. SMITH	
40979	LECT-DISC B	3-5	TU	143	ARMORY		SHORISH	
40987	LECT-DISC C	3-5	W	2	EDUC		FEINBERG	
40995	LECT-DISC D	4-6	TH	150	ARMORY		STANLEY	
HP ED 305	HISTORY OF EDUCATIONAL IDEAS.							
	2 HOURS OR 1/2 UNIT							
41001	LECT-DISC A	4-6	W	213	G H		MCMURRAY	
41010	LECT-DISC B	3-5	TU	2	EDUC		KARIER	
41028	LECT-DISC C	3-5	W	143	ARMORY		VIOLAS	
41036	LECT-DISC D	3-5	TH	162	EDUC			

COURSES FOR GRADUATES

HP ED 402	EDUCATIONAL MOVEMENTS IN THE TWENTIETH CENTURY.							
	PREREQUISITE: CONSENT OF INSTRUCTOR.							
	1 UNIT							
41044	LECT-DISC	7-9PM	TH	385	EDUC		KARIER, VIOLA	
HP ED 405	FOUNDATIONS OF AESTHETIC EDUCATION.							
	PREREQUISITE: HP. ED. 306; CONSENT OF INSTRUCTOR.							
	1 UNIT							
41052	LECT-DISC	3-5	W	25	EDUC		BROUDY	
HP ED 407	LOGICAL FOUNDATIONS OF METHODS.							
	PREREQUISITE: CONSENT OF INSTRUCTOR.							
	1 UNIT							
41061	LECT-DISC	7-9PM	TH	382	EDUC		MCMURRAY	
HP ED 409	ADVANCED PHILOSOPHY OF EDUCATION, II.							
	PREREQUISITE: HP. ED. 301 OR 305 OR ADVANCED GRADUATE STANDING, CONSENT OF INSTRUCTOR.							
	1 UNIT							
41079	LECT-DISC	7-9PM	M	389	EDUC		BROUDY	
HP ED 410	SEMINAR IN THEORIES OF EDUCATIONAL AND SOCIAL CHANGE.							
	ONLY OPEN TO CANDIDATES FOR THE ED. D. OR PH. D. IN EDUCATION.							
	1 UNIT							
41087	LECT-DISC A	1-3	M	389	EDUC		BROUDY	
41095	LECT-DISC B	1-3	M	385	EDUC		FEINBERG	
41109	LECT-DISC C	2-4	W	389	EDUC		BURNETT	
HP ED 449	INDEPENDENT STUDY.							
	PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.							
	*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.							
	*1/2 OR 1 UNIT							
41117	CONF		ARR				STAFF	

H EC 125 FOOD SELECTION AND PREPARATION.

FOR NON-HOME ECONOMICS MAJORS.

PREREQUISITE: SOPHOMORE STANDING.

3 HOURS

41273	LECT		12		F	328	BEV HALL	
41281	LAB	A	10-12	M	W	338	BEV HALL	
41290	LAB	B	3-5	M	W	338	BEV HALL	
41303	LAB	C	10-12	TU	TH	338	BEV HALL	
41311	LAB	D	1-3	TU	TH	338	BEV HALL	

H EC 132 FOODS AND NUTRITION.

PREREQUISITE: CREDIT OR REGISTRATION IN CHEM. 101.

3 HOURS

41320	LAB-DISC	A	8-10	M	W	F	358	BEV HALL	JOHNSON
41338	LAB-DISC	B	8-10	M	W	F	376	BEV HALL	
41346	LAB-DISC	C	10-12	M	W	F	358	BEV HALL	
41354	LAB-DISC	D	1-3	M			358	BEV HALL	LAFONT
		O	1-3		W		328	BEV HALL	
		O	1-3			F	376	BEV HALL	

H EC 133 FOOD MANAGEMENT.

PREREQUISITE: H. EC. 132.

2 HOURS

CLASSES ARE HELD DURING NOON HOURS ONLY WHEN MEALS ARE SERVED.

41362	LAB-DISC	A	1-3	M			376	BEV HALL	
		A	12-3		W		376	BEV HALL	
41371	LAB-DISC	B	10-12	TU			376	BEV HALL	
		B	10-1		TH		376	BEV HALL	
41389	LAB-DISC	C	10-12	TU			358	BEV HALL	JOHNSON
		C	10-1		TH		358	BEV HALL	JOHNSON
41397	LAB-DISC	D	1-3		W		358	BEV HALL	JOHNSON
		O	12-3			F	358	BEV HALL	JOHNSON

H EC 160 THE HOME AND ITS FURNISHINGS.

4 HOURS

41401	LECT		9		TU	TH	135	A S L	ALEXANDER
41419	LAB	A	10-12	M	W		234	BEV HALL	BERMAN
41427	LAB	B	1-3	M	W		234	BEV HALL	BERMAN
41435	LAB	C	3-5	M	W		222	BEV HALL	POTTS
41443	LAB	D	10-12	TU	TH		234	BEV HALL	BERMAN
41451	LAB	E	1-3	TU	TH		234	BEV HALL	ALEXANDER
41460	LAB	F	3-5	TU	TH		234	BEV HALL	POTTS

H EC 171 HOME MANAGEMENT.

2 HOURS

41478	LECT-DISC	A	10		W	F	242	BEV HALL	ANDERSON
41486	LECT-DISC	B	2		TU	TH	242	BEV HALL	ANDERSON

H EC 182 CLOTHING LABORATORY.

2 HOURS

*SECTIONS A AND E ARE RESERVED FOR STUDENTS WITH FORMAL TRAINING IN CLOTHING CONSTRUCTION IN EITHER HIGH SCHOOL OR 4-H WORK.

41524	LAB	*A	10-12	M	W		122	BEV HALL	ZWOLANEK
41494	LAB	B	1-3	M	W		122	BEV HALL	BANNER
41508	LAB	C	10-12	TU	TH		122	BEV HALL	ELIAS
41516	LAB	D	1-3	TU	TH		122	BEV HALL	BANNER
41532	LAB	*E	3-5	TU	TH		122	BEV HALL	ZWOLANEK

H EC 183 CONSUMER TEXTILES.

2 HOURS

41541	LAB	A	10-12	M	W		208	BEV HALL	TREBILCOCK
41559	LAB	B	3-5	M	W		208	BEV HALL	ELIAS
41567	LAB	C	10-12	TU	TH		208	BEV HALL	TREBILCOCK
41575	LAB	D	1-3	TU	TH		208	BEV HALL	TREBILCOCK

H EC 184 CLOTHING SELECTION.

PREREQUISITE: CREDIT OR REGISTRATION IN ART 185.

2 HOURS

41583	LAB-DISC	A	8-10	M	W		132	BEV HALL	AUSTIN
41591	LAB-DISC	B	3-5	M	W		132	BEV HALL	BANNER
41605	LAB-DISC	C	8-10	TU	TH		132	BEV HALL	ANSPACH
41613	LAB-DISC	D	10-12	TU	TH		132	BEV HALL	BANNER

H EC 190 HONORS SEMINAR--INTERNATIONAL PROBLEMS AS RELATED TO AGRICULTURE.
SAME AS AGR. 190.
PREREQUISITE: SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, AND RELATED SCIENCES.
2 HOURS
41621 LECT-DISC & 1-3 TU 316N M H

H EC 193 TEXTILE ARTS FOR OCCUPATIONAL THERAPY.
PREREQUISITE: ART 185.
4 HOURS
41630 LAB 1-5 TU TH 174 BEV HALL AUSTIN

H EC 196 WEAVING.
3 HOURS
41648 LAB 2-5 M W 174 BEV HALL AUSTIN

COURSES FOR ADVANCED UNDERGRADUATES

I EC 202 LABORATORY IN CHILD DEVELOPMENT.
PREREQUISITE: H. EC. 105, PSYCH. 100 OR 103.
2 HOURS
41656 LECT 3-5 M 12 C D KING
41664 LAB A 9 TU TH 219 C D NURSERY SCHOOL
41672 LAB B 11 TU TH 219 C D STAFF
41681 LAB C 9 W F 219 C D
41699 LAB D 11 W F 219 C D
41702 LAB E 2-4 TU 109 C D
41711 LAB F 2-4 W 109 C D
41729 LAB G 2-4 TH 109 C D
41737 LAB H 2-4 F 109 C D

I EC 210 FAMILY RELATIONSHIPS.
3 HOURS
41745 LECT A 8 M W F 12 C D SPORAKOWSKI
41753 LECT B 11 M W F 12 C D SPORAKOWSKI

I EC 220 PRINCIPLES OF NUTRITION.
PREREQUISITE: CHEM. 102, H. EC. 132, AND PHYSL. 103.
3 HOURS
41761 LECT 1 M W 144 BEV HALL BROWN
LAB 1-3 F 393 BEV HALL BROWN

EC 231 FOODS.
PREREQUISITE: CHEM. 102 (NEW), 132, 133, OR 234; H. EC. 133.
3 HOURS
41770 LECT 10 F 328 BEV HALL
41788 LAB A 8-11 M W 362 BEV HALL LAFONT
41796 LAB B 9-12 TU TH 362 BEV HALL

EC 240 QUANTITY FOOD PRODUCTION AND SERVICE.
PREREQUISITE: FOOD HANDLERS CERTIFICATE, ECON. 108, H. EC. 231, CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH H. EC. 240 AND 351.
*3 OR 5 HOURS
SECTION C WILL MEET 8-1230 ON DAYS TO BE ARRANGED.
41800 LECT 3 W 291 BEV HALL CRUSIUS
41818 LAB A 8-1230 M W F 292 BEV HALL
41826 LAB B 8-1230 TU TH 292 BEV HALL
41834 LAB C ARR 292 BEV HALL

EC 260 PERIOD STYLES IN HOME FURNISHINGS.
PREREQUISITE: ART 185 OR EQUIVALENT.
3 HOURS
41842 LECT 10 M W 328 BEV HALL ALEXANDER
LAB 10-12 F 222 BEV HALL ALEXANDER

EC 263 TEXTILE DESIGN--PRINTING.
PREREQUISITE: ART 186 OR EQUIVALENT.
FIELD TRIP, ESTIMATED EXPENSE \$10.
3 HOURS
41851 LAB-DISC 3-5 TU TH 222 BEV HALL BERMAN

H EC	270	FAMILY FINANCIAL MANAGEMENT.									
		PREREQUISITE: ECON. 102 AND 103 OR 108, H. EC. 171.									
		3 HOURS									
	41869	LECT		9	M W F	328	BEV HALL			GUTHRIE	
H EC	271	HOME MANAGEMENT.									
		FOR NON-HOME ECONOMICS MAJORS.									
		2 HOURS									
	41877	LECT		11	TU TH	313	M H			GUTHRIE	
H EC	273	HOME MANAGEMENT.									
		PREREQUISITE: ECON. 102 AND 103, OR 108, H. EC. 105, 133,									
		160, 171, 183, 184, CONSENT OF INSTRUCTOR.									
		3 HOURS									
		*ADDITIONAL HOURS TO BE ARRANGED.									
		STUDENTS RESIDE IN HOME MANAGEMENT HOUSE FOR FOUR WEEKS.									
	41885	LECT		*10	TU TH	154	BEV HALL			GUTHRIE	
		LAB		*12	MTUWTHF	1202	W GREEN			GUTHRIE	
				*1-3	TU TH	1202	W GREEN			SAMPSON	
H EC	280	HOUSEHOLD TEXTILES.									
		PREREQUISITE: H. EC. 183.									
		2 HOURS									
	41893	LAB-DISC		3-5	TU TH	208	BEV HALL			WARFIELD	
H EC	286	CLOTHING DESIGN--FLAT PATTERN.									
		PREREQUISITE: ART 186 OR 120, H. EC. 182, 183 AND 184.									
		3 HOURS									
	41907	LAB	A	9-12	TU TH	108	BEV HALL			ZWOLANEK	
	41915	LAB	B	2-5	TU TH	108	BEV HALL			ANSPACH	
H EC	287	CONSUMER CLOTHING PROBLEMS.									
		PREREQUISITE: ECON. 108, H. EC. 183 OR 184, PSYCH. 100 OR 103.									
		SOC. 100.									
		2 HOURS									
	41923	LECT-DISC		2	M W	242	BEV HALL			ZWOLANEK	
H EC	292	THESIS.									
		PREREQUISITE: SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.									
		3 TO 5 HOURS									
		*SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING									
		A MINIMUM GRADE POINT AVERAGE OF 4.0.									
	41931	CONF	A	ARR						STAFF	
	41940	CONF	*6B	ARR							
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES											
H EC	301	ADVANCED PROBLEMS IN HOME GUIDANCE OF CHILDREN.									
		PREREQUISITE: H. EC. 202 AND 203, CONSENT OF INSTRUCTOR.									
		3 HOURS, OR 1/2 OR 1 UNIT									
		EACH STUDENT ARRANGES FOR ONE LABORATORY PERIOD ON T W T OR F.									
		*LAB 6C IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A									
		MINIMUM GRADE POINT AVERAGE OF 4.0.									
		*LAB 1 OPEN TO GRADUATE STUDENTS ONLY.									
	41958	LECT-DISC		1	TU TH	12	C D			MOWRER	
	41966	LAB	A	9-12	TU	109	C D			NURSERY ST	
	41974	LAB	B	9-12	W	109	C D				
	42031	LAB	*6C	9-12	TH	109	C D				
	41982	LAB	D	9-12	F	109	C D				
	41991	LAB	E	2-5	TU	109	C D				
	42007	LAB	F	2-5	W	109	C D				
	42015	LAB	G	2-5	TH	109	C D				
	42023	LAB	H	2-5	F	109	C D				
	42040	LAB	*I	ARR							
H EC	313	ECONOMICS OF CONSUMPTION.									
		SAME AS ECON 313.									
		PREREQUISITE: ECON. 102 OR 108; A COURSE IN APPLIED STATISTICS.									
		3 HOURS, OR 1/2 OR 1 UNIT									
	42058	LECT-DISC	G	3	M W F	242	BEV HALL			OUNSING	

H EC	320	DIET IN DISEASE. PREREQUISITE: H. EC. 220. 3 HOURS OR 1/2 UNIT									
	42066	LECT	8-10	TU	328	BEV HALL	BROWN				
		LAB	8-10	TH	328	BEV HALL	BROWN				
H EC	324	PROBLEMS IN NUTRITION. SAME AS F. S. 324. PREREQUISITE: CHEM. 354 OR 350 AND 355, H. EC. 220, SENIOR STANDING. 3 TO 5 HOURS, OR 1/2 OR 1 UNIT *ONLY STUDENTS REGISTERING FOR 5 HOURS OR 1 UNIT CREDIT INCLUDE LABORATORY.									
	42074	LECT	8	M W F	449	BEV HALL	HASKELL				
	42082	LAB	*A 9-12	F	420	BEV HALL	HASKELL				
	42091	LAB	*6B 9-12	F	420	BEV HALL	HASKELL				
H EC	326	PRESENTATIONS: PRINCIPLES AND TECHNIQUES. PREREQUISITE: SENIOR STANDING, CONSENT OF INSTRUCTOR. FIELD TRIP, ESTIMATED COST \$15. 3 HOURS OR 1/2 UNIT									
	42104	LECT	1	TU	328	BEV HALL	DOWNEY				
		LAB	2-5	TU	328	BEV HALL	DOWNEY				
			1-4	TH	328	BEV HALL					
I EC	330	EXPERIMENTAL FOODS. PREREQUISITE: H. EC. 231, MCBIO. 100, 101. *FOR 1 UNIT TWO ADDITIONAL HOURS WILL BE SCHEDULED. *3 HOURS, OR 1/2 OR 1 UNIT									
	42112	LECT	*1	F	328	BEV HALL					
		LAB	*1-4	M W	362	BEV HALL					
I EC	331	PROBLEMS IN FOODS. PREREQUISITE: H. EC. 330. 3 HOURS OR 1/2 UNIT									
	42121	LAB-DISC	A	ARR	486	BEV HALL	VANDUYNE				
	42139	LAB-DISC	6B	ARR	486	BEV HALL					
I EC	350	INSTITUTION AND RESTAURANT MANAGEMENT--ORGANIZATION AND ADMINISTRATION. PREREQUISITE: H. EC. 220 AND 240. FIELD TRIPS, ESTIMATED COST, \$20 TO \$25. *CREDIT IS NOT GIVEN FOR BOTH H. EC. 350 AND H. EC. 351. *4 HOURS, OR 1/2 OR 1 UNIT									
	42147	LECT-DISC	8	TU TH	291	BEV HALL	HUNZICKER				
		LAB	2-6	F	291	BEV HALL	HUNZICKER				
I EC	355	SPECIALIZED QUANTITY FOOD PRODUCTION AND MANAGEMENT. PREREQUISITE: H. EC. 240, CREDIT OR REGISTRATION IN H. EC. 350 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT									
	42155	LECT-DISC	1	TU TH	291	BEV HALL	HUNZICKER AND				
		LAB	2-4	TU TH	292	BEV HALL	CRUSIUS				
EC	361	DEVELOPMENT AND FUNCTION OF FAMILY HOUSING. SAME AS AG. M. 361. PREREQUISITE: H. EC. 160 AND 171 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT									
	42163	LECT	A	11	M W	240	AGR ENG	HANSEN			
		LAB	A	10-12	F	209	AGR ENG	HANSEN			
EC	377	HOME ECONOMICS, COOPERATIVE EXTENSION. PREREQUISITE: ECON. 108; PSYCH. 100 AND SOC. 100, OR EOPSY. 211, OR AGR. 206; CONSENT OF INSTRUCTOR. FIELD TRIPS. 3 HOURS OR 1/2 UNIT									
	42171	LECT-DISC	8	TU	154	BEV HALL	DUNLAP				
			8-10	TH	154	BEV HALL					
EC	378	PROBLEMS IN HOME MANAGEMENT. PREREQUISITE: H. EC. 270 OR 262, CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT									
	42180	CONF	ARR				ALEXANDER AND				
							GOODYEAR				

H EC	379	PROBLEMS IN FAMILY AND CONSUMPTION ECONOMICS.					
		PREREQUISITE: ECON. 102 OR 108 AND A COURSE IN APPLIED STATISTICS,					
		H. EC. 370, H. EC. 313, OR CONSENT OF INSTRUCTOR, SENIOR STANDING.					
		3 HOURS, OR 1/2 OR 1 UNIT					
	42198	CONF	E	ARR			DUNNING
H EC	386	CLOTHING DESIGN--DRAPING.					
		PREREQUISITE: H. EC. 285 OR CONSENT OF INSTRUCTOR, H. EC. 286.					
		4 HOURS OR 1 UNIT					
	42201	LAB-DISC	B-11 B-10	M W F	108 108	BEV HALL BEV HALL	ANSPACH ANSPACH
H EC	388	PROBLEMS IN TEXTILES AND CLOTHING.					
		PREREQUISITE: H. EC. 286 OR 380, OR MKTG. 211, MINIMUM GRADE					
		POINT AVERAGE OF 3.5, SENIOR STANDING IN HOME ECONOMICS, OR CONSENT					
		OF INSTRUCTOR.					
		3 HOURS, OR 1/2 OR 1 UNIT					
	42210	CONF		ARR			ANSPACH, AUS GALBRAITH A TREBILCOCK
H EC	395	FASHION ANALYSIS.					
		PREREQUISITE: ADV. 281, SENIOR STANDING, CONSENT OF INSTRUCTOR.					
		FIELD TRIP, ESTIMATED EXPENSE, \$10.					
		3 HOURS OR 1/2 UNIT					
	42228	LECT-DISC	I	M W F	242	BEV HALL	TREBILCOCK
COURSES FOR GRADUATES							
H EC	418	SEMINAR IN CHILD DEVELOPMENT.					
		PREREQUISITE: H. EC. 301.					
		1 UNIT					
	42236	LECT-DISC LAB	3-5 ARR	TU	208 208	C D C D	VANDENDAELE VANDENDAELE
H EC	419	SEMINAR IN FAMILY RELATIONSHIPS.					
		PREREQUISITE: H. EC. 410.					
		1 UNIT					
	42244	DISC	3-5	M W	208	C D	HOWLER
H EC	432	SEMINAR IN FOODS.					
		PREREQUISITE: UNDERGRADUATE MAJOR IN FOODS AND NUTRITION,					
		CHEMISTRY, MICROBIOLOGY, OR PHYSIOLOGY, AND CONSENT OF INSTRUCTOR.					
		1/2 OR 1 UNIT					
	42252	DISC	ARR		449	BEV HALL	VANOUYNE
H EC	480	SEMINAR IN TEXTILES.					
		PREREQUISITE: H. EC. 380 OR EQUIVALENT, CONSENT OF INSTRUCTOR.					
		1/2 OR 1 UNIT					
	42261	DISC	ARR				GALBRAITH
H EC	493	ADVANCED STUDIES IN HOME ECONOMICS.					
		1/2 OR 1 UNIT					
		WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:					
		* A--THE CHILD AND THE FAMILY					
		* B--FAMILY AND CONSUMPTION ECONOMICS					
		* C--FOODS					
		* D--NUTRITION					
		* E--TEXTILES AND CLOTHING					
	42279	CONF	*A	ARR			STAFF
	42287	CONF	*B	ARR			
	42295	CONF	*C	ARR			
	42309	CONF	*D	ARR			
	42317	CONF	*E	ARR			

H EC 499 THESIS RESEARCH.
 0 TO 4 UNITS
 WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:
 * A--THE CHILD AND THE FAMILY

* B--FAMILY AND CONSUMPTION ECONOMICS
 * C--FOODS
 * D--NUTRITION
 * E--TEXTILES AND CLOTHING

42325	CONF	*A	ARR
42333	CONF	*B	ARR
42341	CONF	*C	ARR
42350	CONF	*D	ARR
42368	CONF	*E	ARR

MILLS,
 SPORAKOWSKI AND
 VAN DEN DAELE
 OUNING
 VAN OUYNE
 SMITH
 GALBRAITH

HORTICULTURE

DEPARTMENT OFFICE

124 M H

COURSES FOR UNDERGRADUATES

HORT 100 INTRODUCTORY HORTICULTURE.
 PREREQUISITE: BOT. 100.

3 HOURS							
42376	LECT-DISC	2	M	W	F	W115	T H ZYCH

HORT 110 PLANT AND ANIMAL GENETICS.
 SAME AS AN. S., AGRON., AND D. S. 110.
 PREREQUISITE: BIOL. 110 AND 111 OR BOT. 100 (OR BOT. 101)
 AND ZOOL. 104.
 3 HOURS

42384	LECT		2	M	W	W109	T H ALEXANDER
42392	LAB	1	1-3	TU		W 13	T H
42406	LAB	2	3-5	TU		W 13	T H
42414	LAB	3	1-3		TH	W 13	T H

COURSES FOR ADVANCED UNDERGRADUATES

HORT 200 SPECIAL PROBLEMS.
 PREREQUISITE: MINIMUM GRADE POINT AVERAGE OF 3.5. NOT OPEN TO
 STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND
 HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN
 REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR A THIRD
 SPECIAL PROBLEMS COURSE.
 1 TO 5 HOURS

WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:

A--POMOLOGY	SIMONS, TITUS, ZYCH
B--VEGETABLE CROPS	ARNOLD, HOPEN, MCCOLLUM, SPLITTSTOESSER, THOMPSON, VANDEMARK
C--ORNAMENTAL HORTICULTURE	BEEVERS, BUTLER, CULBERT, FOSLER
D--FRUIT BREEDING	GARTNER, HODGES, NELSON, MEYER
E--APICULTURE	BIRKELAND, DAYTON JAYCOX

*SECTION &B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING A
 MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION
 WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF
 INSTRUCTOR.

42422	CONF	A	ARR	
42431	CONF	*&B	ARR	STAFF

HORT 211 HOME GROUNDS DEVELOPMENT AND CONSTRUCTION.
 PREREQUISITE: L. A. 152 AND HORT. 210, OR CONSENT OF INSTRUCTOR.
 3 HOURS

42449	LECT	9	M	103	FLOR	NELSON
	LAB	10-12	F	234	BEV HALL	

HORT	224	FLORICULTURAL CROPS PRODUCTION, II.										
		PREREQUISITE: HORT. 223.										
		3 HOURS										
	42457	LECT-DISC	A	10	M	W	F	103	FLOR		CULBERT	
		LAB	A	11	M	W	F	101	FLOR			
HORT	231	FLORAL DECORATIONS.										
		PREREQUISITE: JUNIOR STANDING.										
		3 HOURS										
	42465	LECT		2		TU		103	FLOR		CULBERT	
	42473	LAB	A	10-12		TU	TH	101	FLOR			
	42481	LAB	B	3-5		TU	TH	101	FLOR			
	42490	LAB	C	3-5	M	W		101	FLOR			
HORT	234	NURSERY MANAGEMENT.										
		PREREQUISITE: BOT. 100.										
		3 HOURS										
	42503	LECT	A	10		TU	TH	103	FLOR		GARTNER	
		LAB	A	11		TU	TH	103	FLOR			
HORT	236	TURF MANAGEMENT.										
		PREREQUISITE: BOT. 100.										
		3 HOURS										
	42511	LECT		1		TU	TH	103	FLOR		BUTLER	
		LAB		2		TU	TH	101	FLOR			
HORT	242	VEGETABLE CROPS PRODUCTION.										
		PREREQUISITE: HORT. 100 OR CONSENT OF INSTRUCTOR.										
		3 HOURS										
	42520	LECT-DISC		11	M	W	F	103	FLOR		ARNOLD	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HORT	322	PLANT NUTRITION.										
		PREREQUISITE: BOT. 330 AND 335 OR EQUIVALENT, AND ONE SEMESTER OF ORGANIC CHEMISTRY.										
		4 HOURS OR 1 UNIT										
	42538	LECT-DISC	A	2	M	W		103	FLOR		HODGES	
			A	1-3			F	101	FLOR			
HORT	335	ECONOMICS OF FOOD DISTRIBUTION.										
		SAME AS AG. EC. 335.										
		PREREQUISITE: ECON. 108, AG. EC. 230 OR AN ELEMENTARY MARKETING COURSE.										
		3 HOURS, OR 3/4 OR 1 UNIT										
	42546	LECT-DISC	D	11	M	W	F	316N	M H		KELLY	
HORT	340	INTRODUCTION TO APPLIED STATISTICS.										
		SAME AS AG. E., AGRON., AN. S. D. S., F. S. FOR., AND V. M. S. 340.										
		PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.										
		4 HOURS OR 3/4 UNIT										
	42554	LECT		9		TU	TH	W109	T H		SEIF	
	42562	LAB-DISC	1	1-3	M			N107	T H			
	42571	LAB-DISC	2	3-5	M			W223	T H			
	42589	LAB-DISC	3	1-3	TU			W223	T H			
	42597	LAB-DISC	4	3-5	TU			W223	T H			

COURSES FOR GRADUATES

HORT	424	MINERAL NUTRITION OF PLANTS.										
		SAME AS BOT. AND AGRON. 424.										
		PREREQUISITE: BOT. 330 OR CONSENT OF INSTRUCTOR.										
		1 UNIT										
	42601	LECT-DISC	A	8		TU	TH S	W115	T H		HAGEMAN	
	42619	LECT-DISC	B	9		TU	TH S	W115	T H			

HORT 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E., AGRON., AN. S., O. S., F. S., FOR.,
 AND V. M. S. 440.
 PREREQUISITE: HORT. 340 OR EQUIVALENT.
 3/4 UNIT

42627	LECT		9	M W	W109	T H	SEIF
42635	LAB-DISC	1	3-5	TH	W223	T H	CARMER
42643	LAB-DISC	2	1-3	F	W121	T H	WALKER

HORT 447 HORTICULTURE SEMINAR.
 PREREQUISITE: GRADUATE STANDING IN HORTICULTURE OR ALLIED FIELDS.
 1/4 UNIT

42651	LECT-DISC		4	W	W115	T H	STAFF
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HORT 490 RESEARCH METHODS IN HORTICULTURE.
 PREREQUISITE: CHEM. 122 OR EQUIVALENT, CHEM. 133 OR EQUIVALENT,
 BOT. 330, 5 HOURS OF PHYSICS.
 1 UNIT

42660	LECT-DISC		10-12	TU TH	203	VEG CROPS	MCCOLLUM AND
	LAB		1-4	W	203	VEG CROPS	DICKINSON

HORT 492 SPECIAL TOPICS IN HORTICULTURE.
 PREREQUISITE: TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE
 AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
 1/2 TO 2 UNITS

42678	CONF		ARR				STAFF
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HORT 499 THESIS RESEARCH.
 REQUIRED FOR MAJOR IN HORTICULTURE.
 PREREQUISITE: TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE
 AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
 0 TO 4 UNITS
 WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS:

A--ORNAMENTAL	BEEVERS, BUTLER, CULBERT, GARTNER,
HORTICULTURE	HODGES, MEYER,
B--FRUIT BREEDING	BIRKELAND, DAYTON
C--POMOLOGY	JAYCOX, SIMONS, TITUS, ZYCH
D--VEGETABLE CROPS	ARNOLD, DICKINSON, HOPEN, MCCOLLUM,
	RHODES, SPLITSTOESSER, THOMPSON,
	VANDEMARK

42686	CONF		ARR				STAFF
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HUMANITIES

COURSES FOR UNDERGRADUATES

HUMAN 152 THE HUMANITIES IN WESTERN CULTURE, II.
 PREREQUISITE: HUMAN. 151.
 4 HOURS

42694	LECT-DISC	A	8-10	TU TH	240	ADMIN	BRANDABUR
42708	LECT-DISC	B	8-10	W F	240	ADMIN	PIEPER
42716	LECT-DISC	C	10-12	TU TH	240	ADMIN	
42724	LECT-DISC	D	2-4	TU TH	240	ADMIN	BRANDABUR
42732	LECT-DISC	E	10-12	M W	240	ADMIN	NIETO
42741	LECT-DISC	F	2-4	M W	240	ADMIN	PRICE

COURSES FOR ADVANCED UNDERGRADUATES

HUMAN 202 INTRODUCTION TO THE NEW TESTAMENT.
 OPEN TO SOPHOMORES IN GOOD STANDING.
 3 HOURS

42759	LECT-DISC		9	M W F	62	K M	ROBBINS
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HUMAN 212 THE GROWTH OF AMERICAN CULTURE, II.
PREREQUISITE: JUNIOR STANDING.

4 HOURS

42767

LECT

4

MTWTH

66 LIB

BELTING
MORGAN
AND CARRING

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HUMAN 364 INTRODUCTION TO COMPARATIVE LITERATURE, II.
SAME AS C. LIT. 364.

3 HOURS OR 3/4 UNIT

42775

LECT-DISC D

11

TU TH

102 L H

SMALLEY

42783

LECT-DISC F

2

TU TH

145 L H

SMALLEY

INDONESIAN

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

COURSES FOR ADVANCED UNDERGRADUATES

INDON 202 ELEMENTARY INDONESIAN, II.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK
WEEKLY IN THE LANGUAGE LABORATORY.

PREREQUISITE: INDON 201.

5 HOURS

OPEN TO FRESHMEN.

*ONE ADDITIONAL HOUR TO BE ARRANGED.

42791

LECT-DISC

*2

M W F

221 G H

KARTASMIT

*1

TU

221 G H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

INDON 304 INTERMEDIATE INDONESIAN, II.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK
IN THE LANGUAGE LABORATORY.

PREREQUISITE: INDON. 303 OR EQUIVALENT.

5 HOURS OR 1 UNIT

*TWO ADDITIONAL HOURS TO BE ARRANGED.

42805

LECT-DISC

*3

M W F

I G H

KARTASMIT

INDUSTRIAL ADMINISTRATION

DEPARTMENT OFFICE

350 COM W

COURSES FOR UNDERGRADUATES

I ADM 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

42813

CONF

ARR

COURSES FOR ADVANCED UNDERGRADUATES

I ADM 200 THE LEGAL ENVIRONMENT OF BUSINESS.

PREREQUISITE: JUNIOR STANDING.

3 HOURS

*SECTION & C OPEN ONLY TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

42902	LECT	I	10	M	141	COM W	BLACK, COOPER
42821	DISC	L	8	TU TH	160	COM W	STAFF
42830	DISC	M	9	TU TH	160	COM W	STAFF
42848	DISC	N1	10	TU TH	122	O K H	STAFF
42856	DISC	N2	10	TU TH	236	COM W	STAFF
42911	DISC	*EC	10	W F	236	COM W	BLACK
42864	DISC	P1	11	TU TH	122	O K H	STAFF
42872	DISC	P2	11	TU TH	236	COM W	STAFF
42881	DISC	R	1	TU TH	243	COM W	COOPER
42899	DISC	S	2	TU TH	243	COM W	COOPER

I ADM 201 BASIC PRINCIPLES OF BUSINESS LAW.

PREREQUISITE: JUNIOR STANDING; ACCY. 105; ECON. 102.

*CREDIT TOWARD GRADUATION IS NOT GIVEN FOR I. ADM. 201 IN ADDITION TO I. ADM. 261.

3 HOURS

42929	LECT-DISC	C	10	M W F	160	COM W	INGERSOLL
42937	LECT-DISC	D	11	M W F	236	COM W	BLACK
42945	LECT-DISC	F	2	M W F	226	COM W	INGERSOLL

I ADM 210 PRODUCTION MANAGEMENT AND ORGANIZATION.

PREREQUISITE: JUNIOR STANDING, ECON. 172 OR EQUIVALENT.

4 HOURS

3 HOURS

*SECTION & D OPEN ONLY TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

42953	LECT	I	9	M	141	COM W	MCGUIRE
42961	DISC	A	8	W F	160	COM W	STAFF
42970	DISC	B	9	W F	160	COM W	STAFF
43045	DISC	*EO	11	W F	160	COM W	STAFF
42988	DISC	E	1	W F	160	COM W	STAFF
42996	DISC	F	2	W F	160	COM W	STAFF
43002	DISC	N	10	TU TH	170	COM W	STAFF
86683	DISC	P	11	TU TH	170	COM W	STAFF
43011	DISC	R	1	TU TH	166	COM W	STAFF
43029	DISC	S1	2	TU TH	166	COM W	STAFF
43037	DISC	S2	2	TU TH	236	COM W	STAFF

I ADM 211 PRODUCTION MANAGEMENT, I.

PREREQUISITE: I. ADM. 210.

3 HOURS

43053	LECT-DISC	F	2	M W F	243	COM W	WATSON
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I ADM 213 PRODUCTION MANAGEMENT, II.

PREREQUISITE: I. ADM. 211; CREDIT OR REGISTRATION IN B. ADM. 374.

3 HOURS

43061	LECT-DISC	E	1	M W F	91	COM W	WATSON
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I ADM 247 INTRODUCTION TO MANAGEMENT.

FOR NON-COMMERCE STUDENTS ONLY.

PREREQUISITE: SOPHOMORE STANDING.

3 HOURS

43070	LECT-DISC	A	8	M W F	122	O K H	WEISENBERG
43088	LECT-DISC	E	1	M W F	236	COM W	UYAR

I ADM 249 HUMAN RELATIONS.

FOR NON-COMMERCE MAJORS ONLY.

PREREQUISITE: I. ADM. 210 OR 247.

3 HOURS

43096	LECT-DISC	B	9	M W F	236	COM W	LARSON
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I ADM 261 SUMMARY OF BUSINESS LAW.

FOR NON-COMMERCE STUDENTS ONLY.

PREREQUISITE: JUNIOR STANDING.

*CREDIT TOWARD GRADUATION IS NOT GIVEN FOR I. ADM. 261 IN ADDITION TO I. ADM. 201.

3 HOURS

43100	LECT-DISC	B	9	M W F	122	O K H	KIRKPATRICK
43118	LECT-DISC	C	10	M W F	122	O K H	KIRKPATRICK
43126	LECT-DISC	D	11	M W F	122	O K H	STAFF

I ADM 294 SENIOR RESEARCH.
 PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN
 THE JUNIOR YEAR OR CONSENT OF INSTRUCTOR. SENIOR STANDING.
 2 TO 4 HOURS
 43134 CONF ARR

I ADM 295 SENIOR RESEARCH.
 PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN
 THE JUNIOR YEAR. SENIOR STANDING.
 2 TO 4 HOURS
 43142 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

I ADM 301 THE LAW OF THE UNIFORM COMMERCIAL CODE.
 PREREQUISITE: I. ADM. 201 OR 261; SENIOR STANDING.
 3 HOURS, OR 3/4 OR 1 UNIT
 43151 LECT-DISC E 1 M W F 122 D K H ROBERTS
 43169 LECT-DISC F 2 M W F 122 D K H ROBERTS

I ADM 315 MANAGEMENT IN MANUFACTURING.
 PREREQUISITE: I. ADM. 213.
 3 HOURS OR 1/2 UNIT
 43177 LECT-DISC C 10 M W F 91 COM W RAGO

I ADM 321 INDUSTRIAL SOCIAL SYSTEMS, I.
 SAME AS L. I. R. 321.
 PREREQUISITE: I. ADM. 210; PSYCH. 100; PSYCH. 201 OR CONSENT
 OF INSTRUCTOR.
 3 HOURS, OR 1/2 TO 1 UNIT
 43185 LECT-DISC E 1 M W F 226 COM W ALBANESE

I ADM 323 INDUSTRIAL SOCIAL SYSTEMS, II.
 PREREQUISITE: I. ADM. 321 AND PSYCH. 201.
 3 HOURS, OR 1/2 TO 1 UNIT
 43193 LECT-DISC G 3 M W F 226 COM W CHERRINGTON

I ADM 351 PERSONNEL ADMINISTRATION.
 PREREQUISITE: I. ADM. 323, AND ECON. 173 AND 240.
 *CREDIT WILL NOT BE GIVEN FOR I. ADM. 351 AND PSYCH. 145 OR 245 AND
 I. ADM. 448 OR 449.
 *3 HOURS, OR 1/2 TO 1 UNIT
 43207 LECT-DISC F 2 M W F 166 COM W CHERRINGTON

COURSES FOR GRADUATES

I ADM 402 SCIENTIFIC MANAGEMENT, II.
 SAME I. E. 402.
 PREREQUISITE: I. ADM. 401, OR CONSENT OF INSTRUCTOR.
 1 TO 1 1/2 UNITS
 43215 LECT-DISC 3-5 TU TH 235 M E B WALLHAUS

I ADM 411 ORGANIZATIONAL SCIENCES, II.
 SAME AS POL. S. 461, PSYCH. 454, AND SOC. 457.
 PREREQUISITE: I. ADM. 410.
 1 UNIT
 43223 LECT-DISC 3-5 TU TH 160 COM W ROWLAND, GRAEN

I ADM 491 SEMINAR IN SPECIAL TOPICS.
 PREREQUISITE: GRADUATE STANDING AND CONSENT OF INSTRUCTOR.
 1/4 TO 1 UNIT
 43231 CONF 1-3 M 160 COM W

I ADM 499 THESIS RESEARCH.
 1 UNIT
 43240 CONF ARR

INDUSTRIAL ENGINEERING

DEPARTMENT OFFICE

144 M E B

COURSES FOR ADVANCED UNDERGRADUATES

- I E 232 METHODS-TIME ANALYSIS.
PREREQUISITE: M. E. 183 AND 186, OR EQUIVALENT, JUNIOR STANDING.
3 HOURS
43258 LAB-DISC E 1-3 M W 235 M E B
- I E 237 MANUFACTURING ORGANIZATION AND OPERATION.
PREREQUISITE: JUNIOR STANDING IN ENGINEERING.
3 HOURS
43266 LECT-DISC D 11 M W F 253 M E B
- I E 282 PROCESS PLANNING AND ECONOMY IN MANUFACTURING.
PREREQUISITE: SENIOR STANDING IN ENGINEERING, M. E. 186 OR EQUIVALENT.
3 HOURS
43274 LECT-DISC P 1 TU TH 135 M E B
43282 LAB L 9-12 TU 135 M E B
43291 LAB Q 2-5 TU 135 M E B
- I E 286 OPERATIONS ANALYSIS.
PREREQUISITE: I. E. 232 AND MATH 263, OR CONSENT OF INSTRUCTOR.
3 HOURS
43304 LECT-DISC B 9 M W F 243 M E B
- I E 287 JOB EVALUATION AND WAGE INCENTIVES.
PREREQUISITE: I. E. 232 OR EQUIVALENT, SENIOR STANDING.
3 HOURS
43312 LECT-DISC D 11 M W F 235 M E B
- I E 288 INDUSTRIAL SYSTEMS ANALYSIS AND DESIGN.
PREREQUISITE: CREDIT OR REGISTRATION IN I. E. 282 AND 286.
3 HOURS
43321 LECT-DISC CQ3 10 M F 243 M E B
LAB CQ3 2-5 TH 243 M E B
- I E 291 SEMINAR.
PREREQUISITE: SENIOR STANDING IN INDUSTRIAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
0 CREDIT
43339 LECT H 4 M 253 M E B
- I E 293 SPECIAL PROJECTS.
PREREQUISITE: SENIOR STANDING IN INDUSTRIAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS
43347 CONF Z ARR
- I E 296 HONORS PROJECT.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.
1 TO 4 HOURS
43355 CONF EZ ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

- I E 306 QUANTITATIVE METHODS IN ERGONOMICS.
SAME AS PHYSL. 306.
PREREQUISITE: I. E./PHYSL. 305.
4 HOURS OR 1 UNIT
43363 LAB 1-4 TU TH 422 BUR HALL HERTIG, JOHNSON

I E	332	STANDARD TIME SYSTEMS. PREREQUISITE: I. E. 232. 3 HOURS, OR 3/4 OR 1 UNIT	8-10	TU TH	235	M E B	PIGAGE
	43371	LECT-DISC					
I E	333	ENGINEERING APPLICATIONS OF STATISTICS. PREREQUISITE: MATH. 263 OR MATH. 363. 3 HOURS, OR 3/4 OR 1 UNIT	3	M W F	243	M E B	HENRY
	43380	LECT-DISC					
I E	334	INTRODUCTION TO RELIABILITY ENGINEERING. SAME AS G. E. 334. PREREQUISITE: I. E. 333 OR MATH. 361 OR EQUIVALENT WITH CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	11	M W F	243	M E B	HENRY
	43398	LECT-DISC					
I E	350	MANUFACTURING PROCESS AND TOOL DESIGN. PREREQUISITE: I. E. 282 OR UNDERGRADUATE COURSE IN ENGINEERING ECONOMY. 3 HOURS, OR 3/4 OR 1 UNIT	2	M W F	135	M E B	DOYLE
	43401	LECT-DISC					
I E	357	SAFETY ENGINEERING. PREREQUISITE: SENIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	8	M W F	218	M E B	HARPER
	43410	LECT-DISC					
I E	358	PROBLEMS IN SAFETY ENGINEERING. PREREQUISITE: I. E. 357 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	ARR				HARPER
	43428	LECT-DISC					
I E	386	INDUSTRIAL ENGINEERING ANALYSIS. PREREQUISITE: MATH. 263 AND I. E. 286, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	10-12	TU TH	243	M E B	DESSOUKY
	43436	LECT-DISC					

COURSES FOR GRADUATES

I E	402	SCIENTIFIC MANAGEMENT, II. SAME AS I. ADM. 402. PREREQUISITE: I. E. 401, OR CONSENT OF INSTRUCTOR. 1 TO 1 1/2 UNITS	3-5	TU TH	235	M E B	WALLHAUS
	43444	LECT-DISC					
I E	417	DESIGN OF CONSTRUCTION AND INDUSTRIAL OPERATIONS, II. SAME AS C. E. 417. PREREQUISITE: C. E. OR I. E. 416, CREDIT OR REGISTRATION IN MATH. 315, OR CONSENT OF INSTRUCTOR. 1 UNIT	8-920	TU TH	322	E H	
	43452	LECT-DISC LM					
I E	454	PRODUCTION ENGINEERING. PREREQUISITE: I. E. 453. 1 UNIT	ARR				PIGAGE
	43461	LECT-DISC					
I E	458	LABORATORY INVESTIGATIONS IN INDUSTRIAL ENGINEERING. 1/2 TO 1 1/2 UNITS	ARR				PIGAGE, HARPER, HENRY, DESSOUKY, WALLHAUS
	43479	CONF					

ITALIAN

DEPARTMENT OFFICE

224 L H

MAJOR: TWENTY HOURS IN ITALIAN, EXCLUDING ITALIAN 101 AND 102, AND INCLUDING AT LEAST FIVE HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. LINGUISTICS 300 AND ITALIAN 291 AND 292 ARE ACCEPTABLE.

MINORS: TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: EDUCATION, ENGLISH (EXCLUDING RHET. 101 AND 102), FRENCH, GERMAN, GREEK, HISTORY, LATIN, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH.

COURSES FOR UNDERGRADUATES

ITAL 101 ELEMENTARY ITALIAN, I.

*NO CREDIT TOWARD GRADUATION IS GIVEN FOR ITAL. 101 WITHOUT ITAL. 102.

*4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS F3-F21.

43487	LECT-DISC	A	8	TUWTHF	108	L H
43495	LECT-DISC	C	10	TUWTHF	217	G H
43509	LECT-DISC	X	12	MTUWTH	118	L H
43517	LAB	F 3	8	F	210	L H
43525	LAB	F 5	9	F	210	L H
43533	LAB	F 7	10	F	210	L H
43541	LAB	F 9	11	F	210	L H
43550	LAB	F11	12	F	210	L H
43568	LAB	F13	1	F	210	L H
43576	LAB	F15	2	F	210	L H
43584	LAB	F17	3	F	210	L H
43592	LAB	F19	4	F	210	L H
43606	LAB	F21	5	F	210	L H

ITAL 102 ELEMENTARY ITALIAN, II.

PREREQUISITE: ITAL. 101 OR ONE YEAR OF HIGH SCHOOL ITALIAN.

4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS F3-F21.

43614	LECT-DISC	D	11	TUWTHF	154	ADMIN
43622	LECT-DISC	X	12	MTUWTH	108	L H
43631	LECT-DISC	E	1	MTUWTH	154	ADMIN
43649	LECT-DISC	F	2	MTUWTH	230	L H
43657	LAB	F 3	8	F	210	L H
43665	LAB	F 5	9	F	210	L H
43673	LAB	F 7	10	F	210	L H
43681	LAB	F 9	11	F	210	L H
43690	LAB	F11	12	F	210	L H
43703	LAB	F13	1	F	210	L H
43711	LAB	F15	2	F	210	L H
43720	LAB	F17	3	F	210	L H
43738	LAB	F19	4	F	210	L H
43746	LAB	F21	5	F	210	L H

ITAL 103 INTERMEDIATE ITALIAN, I.
 PREREQUISITE: ITAL. 102 OR TWO YEARS OF HIGH SCHOOL ITALIAN.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE
 LABORATORY SECTIONS M3-M28.

43754	LECT-DISC	F	2	MTUWTH	102	L H
43762	LAB	M 3	8-830	M W	202	L H
43771	LAB	M 4	830-9	M W	202	L H
43789	LAB	M 5	9-930	M W	202	L H
43797	LAB	M 6	930-10	M W	202	L H
43801	LAB	M 7	10-1030	M W	202	L H
43819	LAB	M 8	1030-11	M W	202	L H
43827	LAB	M 9	11-1130	M W	202	L H
43835	LAB	M10	1130-12	M W	202	L H
43843	LAB	M11	12-1230	M W	202	L H
43851	LAB	M12	1230-1	M W	202	L H
43860	LAB	M13	1-130	M W	202	L H
43878	LAB	M14	130-2	M W	202	L H
43886	LAB	M15	2-230	M W	202	L H
43894	LAB	M16	230-3	M W	202	L H
43908	LAB	M17	3-330	M W	202	L H
43916	LAB	M18	330-4	M W	202	L H
43924	LAB	M19	4-430	M W	202	L H
43932	LAB	M20	430-5	M W	202	L H
43941	LAB	M21	5-530	M W	202	L H
43959	LAB	M22	530-6	M W	202	L H
43967	LAB	M25	7-730PM	M W	202	L H
43975	LAB	M26	730-8PM	M W	202	L H
43983	LAB	M27	8-830PM	M W	202	L H
43991	LAB	M28	830-9PM	M W	202	L H

ITAL 104 INTERMEDIATE ITALIAN, II.
 PREREQUISITE: ITAL. 103 OR THREE YEARS OF HIGH SCHOOL ITALIAN.
 4 HOURS
 44008 LECT-DISC E 1 MTUWTH 4 G H

ITAL 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

44016 CONF ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ITAL 212 COMPOSITION AND CONVERSATION, II.
 PREREQUISITE: ITAL. 211 OR CONSENT OF INSTRUCTOR.
 3 HOURS
 44024 LECT-DISC 11 M W F 4 G H

ITAL 292 SENIOR THESIS.
 FOR CANDIDATES FOR HONORS IN ITALIAN.
 2 HOURS

44032 CONF EA ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ITAL 312 DANTE--LA DIVINA COMMEDIA.
 PREREQUISITE: ITAL. 101 AND 102.
 2 HOURS OR 1/2 UNIT
 44041 LECT-DISC 9 TU TH 230 L H PIETRANGELI

ITAL 322 MODERN ITALIAN LITERATURE.
 PREREQUISITE: ITAL. 101 AND 102.
 2 HOURS OR 1/2 UNIT
 44059 LECT-DISC 11 TU TH 431 ARMORY HERSHBERG

COURSES FOR GRADUATES

ITAL 412 ITALIAN LITERATURE IN THE MIDDLE AGES: PETRARCH AND BOCCACCIO.
 1 UNIT
 44067 LECT-DISC 9 M W 223 L H PIETRANGELI

ITAL 452 SEMINAR IN ITALIAN LINGUISTICS.

1 UNIT

44075 LECT-DISC 10 TU TH 429 LIB WANNER

ITAL 491 SPECIAL TOPICS IN ITALIAN.

1/2 OR 1 UNIT

44083 CONF ARR STAFF

ITAL 499 THESIS RESEARCH.

0 TO 4 UNITS

44091 CONF ARR KAHANE
MONTANO
PIETRANGELI
AND SHOEMAKER

JAPANESE

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

COURSES FOR ADVANCED UNDERGRADUATES

JAPAN 202 ELEMENTARY JAPANESE, II.

PREREQUISITE: JAPAN. 201.

5 HOURS

OPEN TO FRESHMEN.

44105 LECT-DISC 3 MTWTHF 254 ADMIN MAKINO

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

JAPAN 304 INTERMEDIATE JAPANESE, II.

PREREQUISITE: JAPAN. 303 OR EQUIVALENT.

5 HOURS OR 1 UNIT

44113 LECT-DISC 4 M WTHF 254 ADMIN UMEOA

JAPAN 306 ADVANCED JAPANESE, II.

PREREQUISITE: JAPAN. 305 OR EQUIVALENT.

3 HOURS OR 1/2 UNIT

44121 LECT-DISC 12 M W F 154 ADMIN UMEOA
3 TU TH 154 ADMIN

JAPAN 310 MODERN JAPANESE LITERATURE.

PREREQUISITE: JAPAN. 306.

3 HOURS, OR 1/2 TO 1 UNIT

44130 LECT-DISC 1-230 TU TH 152 ADMIN UNNO

JOURNALISM

DEPARTMENT OFFICE

120A G H

COURSES FOR UNDERGRADUATES

JOURN 114 AGRICULTURAL JOURNALISM.

SAME AS AGR. 114.

3 HOURS

44148 LECT-DISC 10 TU TH 313 M H EVANS AND
44156 LAB R 1 TH 442 M H SHENTON
44164 LAB S 2 TH 442 M H

COURSES FOR ADVANCED UNDERGRADUATES

JOURN 204 TYPOGRAPHY.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR
CONSENT OF THE COLLEGE.

3 HOURS

44172	LECT	S	2	TU TH	223	G H
44181	LAB	E	1-3	W	31	G H
44199	LAB	G	3-5	M	31	G H
44202	LAB	P1	3-5	TU	31	G H
44211	LAB	P2	3-5	TH	31	G H
44229	LAB	Z1	7-9PM	M	31	G H
44237	LAB	Z2	7-9PM	W	31	G H

HANSON

JOURN 211 NEWSWRITING.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR
CONSENT OF THE COLLEGE.

3 HOURS

44245	LECT	R	1	TH	223	G H
44253	LAB	A	8-10	M W	25	G H
44261	LAB	C	10-12	M W	25	G H
44270	LAB	E	1-3	M W	25	G H
44288	LAB	G	3-5	M W	25	G H
44296	LAB	L	8-10	TU TH	25	G H
44300	LAB	N	10-12	TU TH	25	G H

HILOWEIN
STAFF

JOURN 212 PUBLIC AFFAIRS REPORTING.

PREREQUISITE: JOURN. 211 AND REGISTRATION IN THE COLLEGE OF
COMMUNICATIONS, OR CONSENT OF THE COLLEGE.

3 HOURS

*SIX ADDITIONAL HOURS TO BE ARRANGED.

44318	LECT-OISC	J	*9	TU TH	113	G H
44326	LECT-OISC	M	*1	TU TH	43	G H
44334	LECT-OISC	M1	*1	TU TH	113	G H

ZIFF
GRAHAM
ERICKSON

JOURN 214 ADVANCED AGRICULTURAL JOURNALISM.

SAME AS AGR. 214.

PREREQUISITE: JOURN. 114 OR CONSENT OF INSTRUCTOR.

3 HOURS

44342	LECT-OISC		9	TU TH	442	M H
	LAB		8	TU	442	M H

OAHL

JOURN 215 CONTEMPORARY AFFAIRS.

PREREQUISITE: JOURN. 211 AND REGISTRATION IN THE COLLEGE OF
COMMUNICATIONS, OR CONSENT OF THE COLLEGE.

2 HOURS

44351	LECT-OISC	S	2	TU TH	113	G H
44369	LECT-DISC	T	3	TU TH	113	G H

ZIFF
GRAHAM

JOURN 217 HISTORY OF COMMUNICATIONS.

SAME AS COMM. 217.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR
CONSENT OF THE COLLEGE.

3 HOURS

44377	LECT-DISC	E	1	M W F	215	G H
44385	LECT-DISC	R	3	TU	215	G H
		R	3-5	TH	215	G H

ERICKSON
KNIGHTS

JOURN 220 PROCESSES AND SYSTEMS OF COMMUNICATION.

SAME AS COMM. 220.

PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR
CONSENT OF THE COLLEGE.

3 HOURS

44393	LECT-DISC	C	10	M W F	215	G H
44407	LECT-DISC	F	2	M W F	113	G H

KREILING
CAREY

JOURN 223 PHOTO-JOURNALISM.
 COST OF MATERIALS APPROXIMATELY \$15 PER STUDENT. CAMERAS ARE PROVIDED BY THE COLLEGE.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR CONSENT OF INSTRUCTOR.
 3 HOURS

44415	LECT	C	10		F	25	G H	
44423	LAB	E	1-5		F	13	G H	
44431	LAB	R	1-5	TU		13	G H	HILDWEIN

JOURN 231 MASS COMMUNICATIONS IN A DEMOCRATIC SOCIETY.
 SAME AS COMM. 231.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS, OR CONSENT OF THE COLLEGE.
 3 HOURS

44440	LECT-DISC	D	11	M W F		123	G H	
44458	LECT-DISC	E	1	M W F		123	G H	PETERSON GUBACK

JOURN 233 PUBLICATION DESIGN AND PRODUCTION.
 PREREQUISITE: JOURN. 204 OR CONSENT OF INSTRUCTOR.
 2 HOURS

44466	LECT-DISC	C	10	M W		31	G H	HANSON
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JOURN 241 LAW AND COMMUNICATIONS.
 SAME AS COMM. 241.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR CONSENT OF THE COLLEGE.
 3 HOURS

44474	LECT-DISC	F	2	M W F		331	G H	ALFELO
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JOURN 251 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
 SAME AS COMM. AND SOC. 251.
 PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR CONSENT OF THE COLLEGE.
 3 HOURS

44482	LECT-DISC	F	2	M W F		215	G H	
44491	LECT-DISC	H	4	M W F		215	G H	KREILING GUBACK

JOURN 291 SPECIAL PROBLEMS.
 PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
 2 OR 3 HOURS
 *PROJECT: CARTOONING.

44504	CONF	A	ARR					STAFF
44512	CONF	*B	ARR					GRAHAM

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

JOURN 310 TYPOGRAPHIC DISCIPLINES OF THE BOOK.
 SAME AS ENGL. 392 AND LIB. S. 310.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT

44521	LECT-DISC		11	W		328B	LIB	
			1-3	TH		430	LIB	CHAPDU

JOURN 321 NEWS EDITING.
 PREREQUISITE: CREDIT OR REGISTRATION IN JOURN. 204 AND 212; REGISTRATION IN THE COLLEGE OF COMMUNICATIONS; OR CONSENT OF THE COLLEGE.
 4 HOURS OR 1 UNIT

44539	LECT	B	9	M W		215	G H	SCHACHT
44547	LAB	E	1-4	M W		229	G H	SHAIN
44555	LAB	L	8-11	TU TH		229	G H	KREILING
44563	LAB	N	1-4	TU TH		229	G H	SCHACHT

JOURN 323 ADVANCED REPORTING.
 PREREQUISITE: JOURN 211 AND 212; REGISTRATION IN THE COLLEGE OF COMMUNICATIONS; OR CONSENT OF THE COLLEGE.
 3 HOURS OR 1/2 UNIT
 *SIX ADDITIONAL HOURS TO BE ARRANGED.

44571	LECT-DISC	M	*9	TU TH		215	G H	GRAHAM
44580	LECT-DISC	O	*11	TU TH		215	G H	ZIFF

JOURN 326 MAGAZINE ARTICLE WRITING.
 PREREQUISITE: JOURN. 211; REGISTRATION IN THE COLLEGE OF
 COMMUNICATIONS; OR CONSENT OF THE COLLEGE.
 3 HOURS OR 1/2 UNIT
 44598 LECT-DISC C 10 M W F 18 G H SCHACHT

JOURN 330 MAGAZINE EDITING.
 PREREQUISITE: CREDIT OR REGISTRATION IN JOURN. 326.
 3 HOURS OR 1/2 UNIT
 44601 LECT-DISC E 1 M W F 113 G H SCHACHT

COURSES FOR GRADUATES

JOURN 470 COMMUNICATIONS AND POPULAR CULTURE.
 SAME AS COMM. 470.
 PREREQUISITE: CONSENT OF THE COLLEGE OF COMMUNICATIONS.
 1 UNIT
 44610 LECT-DISC T 3-5 TH 123 G H CAREY

JOURN 474 COMMUNICATIONS SYSTEMS.
 SAME AS COMM. 474.
 PREREQUISITE: CONSENT OF THE COLLEGE OF COMMUNICATIONS.
 1 UNIT
 44628 LECT-DISC R 1-3 TH 123 G H SCHILLER

JOURN 490 SPECIAL TOPICS IN JOURNALISM.
 PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
 1/2 OR 1 UNIT
 *SECTION B TOPIC: HISTORY OF COMMUNICATIONS.
 *SECTION C TOPIC: INFORMATION THEORY.
 44636 CONF ARR JENSEN & ST.
 44644 CONF *B 730-930PM TU 123 G H KNIGHTS
 44652 CONF *C 1-3 F 18 G H WIGGINS

JOURN 499 THESIS RESEARCH.
 PREREQUISITE: GRADUATE STANDING IN JOURNALISM.
 1 TO 2 UNITS
 44661 CONF ARR JENSEN & ST.

LABOR AND INDUSTRIAL RELATIONS

DEPARTMENT OFFICE 504 E ARMDRY, C.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L I R 321 INDUSTRIAL SOCIAL SYSTEMS, 1.
 SAME AS I. ADM. 321.
 PREREQUISITE: I. ADM. 210; PSYCH. 100; PSYCH. 201 OR
 CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 TO 1 UNIT
 44679 LECT-DISC E 1 M W F 226 COM W ALBANESE

L I R 341 THE ECONOMICS OF LABOR MARKETS.
 SAME AS ECON. 341.
 PREREQUISITE: ECON. 103 OR 108.
 3 HOURS, OR 1/2 OR 1 UNIT
 44687 LECT-DISC N 10-1130 TU TH 20 COM W HARTMAN

L I R 345 ECONOMICS OF MANPOWER.
 SAME AS ECON. 345.
 PREREQUISITE: ECON. 103 OR 108.
 *GRADUATE CREDIT WILL NOT BE GIVEN FOR BOTH L. I. R. 345 AND
 ECON/L. I. R. 444.
 *3 HOURS, OR 1/2 OR 1 UNIT
 44695 LECT-DISC A 8 M W F 140 COM W PARRISH

L I R 347 LABOR LAW I.
SAME AS LAW 347.
3 HOURS OR 1 UNIT
44709 LECT-DISC 9 THFS D LAW GOLDBERG

L I R 355 INDUSTRIAL SOCIAL PSYCHOLOGY.
SAME AS PSYCH. 355.
PREREQUISITE: PSYCH. 201 OR 357.
3 HOURS, OR 1/2 OR 1 UNIT
44717 LECT 9 M W F 207 PSYCH BLDG ILGEN

L I R 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
SAME AS PSYCH. 357.
PREREQUISITE: PSYCH. 100 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
44725 LECT 10-1120 TU TH 207 PSYCH BLDG WOOD

COURSES FOR GRADUATES

L I R 418 SEMINAR IN INDUSTRIAL AND ECONOMIC SOCIOLOGY.
SAME AS SOC. 418.
PREREQUISITE: L. I. R. 318 OR CONSENT OF INSTRUCTOR.
1 UNIT
44733 LECT-DISC C 10-12 W 43 L I R KARSH

L I R 441 LABOR ECONOMICS.
SAME AS ECON. 441.
PREREQUISITE: ECON. 300 AND 301.
1 UNIT
44741 LECT-DISC R 1-3 TH 20 COM W HARTMAN

L I R 442 COLLECTIVE BARGAINING.
SAME AS ECON. 442.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
44750 LECT-DISC 3-5 M 43 L I R GERHART

L I R 443 PROBLEMS AND PRACTICES OF LABOR DISPUTE SETTLEMENT.
SAME AS ECON. 443.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
44768 LECT-DISC 10-12 M 43 L I R WAGNER

L I R 450 MANAGEMENT AND INDUSTRIAL RELATIONS.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
44776 LECT-DISC 1-3 M 43 L I R FISH

L I R 490 INDIVIDUAL TOPICS.
0 TO 2 UNITS
44792 LECT-DISC A ARR STAFF
44784 LECT-DISC B1 3-5 TH 43 L I R GRAEN
44806 LECT-DISC B2 1-3 W 43 L I R FOLK
44814 LECT-DISC C 10-12 F 43 L I R FRANKE
44822 LECT-DISC D 3-5 TU 43 L I R DERBER

L I R 496 THE EVOLUTION OF LABOR-MANAGEMENT RELATIONS IN AMERICA.
PREREQUISITE: GRADUATE STANDING IN LABOR AND INDUSTRIAL RELATIONS
OR CONSENT OF INSTRUCTOR.
1 UNIT
44831 LECT-DISC 3-5 W 43 L I R GREEN

L I R 499 THESIS RESEARCH.
0 TO 4 UNITS
44849 CONF ARR STAFF

LANDSCAPE ARCHITECTURE

DEPARTMENT OFFICE

205 M H

COURSES FOR UNDERGRADUATES

L A	122	LANDSCAPE SURVEYS						
	3 HOURS							
	44857	LECT	1	TU TH	320 M H			HARKNESS
		LAB	2-5	TU TH	214 M H			
L A	132	ELEMENTARY LANDSCAPE DESIGN, II.						
	PREREQUISITE: L. A. 131.							
	3 HOURS							
	44865	LECT	1	TU TH	206 F A B			STAFF
		LAB	2-5	TU TH	206 F A B			
L A	134	ELEMENTARY LANDSCAPE DESIGN, IV.						
	PREREQUISITE: L. A. 133.							
	4 HOURS							
	44873	LECT	8	M W F	214 M H			HOLADAY
		LAB	9-12	M W F	214 M H			HOLADAY
L A	152	PLANT MATERIALS, II.						
	PREREQUISITE: BOT. 100.							
	3 HOURS							
	44881	LECT	3	M W F	320 M H			FRANZ
		LAB	4	M W F	214 M H			
L A	199	UNDERGRADUATE OPEN SEMINAR.						
	*MAY BE REPEATED.							
	*0 TO 9 HOURS							
	44890	CONF	ARR					HAZLETT

COURSES FOR ADVANCED UNDERGRADUATES

L A	226	RECREATION RESOURCE PLANNING.						
	2 HOURS							
	44903	LECT	1	M W	313 M H			RUTLEDGE
L A	236	INTERMEDIATE LANDSCAPE DESIGN, II.						
	PREREQUISITE: L. A. 235.							
	5 HOURS							
	44911	LAB	1-5	M W F	200S M H			ZOLOMIJ
L A	244	LANDSCAPE CONSTRUCTION, III.						
	PREREQUISITE: L. A. 141.							
	3 HOURS							
	44920	LECT	8	TU TH	320 M H			ZOLOMIJ
		LAB	9-12	TU TH	200S M H			ZOLOMIJ
L A	246	PROFESSIONAL PRACTICE.						
	PREREQUISITE: SENIOR STANDING IN LANDSCAPE ARCHITECTURE OR CONSENT OF INSTRUCTOR.							
	3 HOURS							
	44938	LECT	10	M W F	320 M H			RUTLEDGE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L A	338	ADVANCED LANDSCAPE DESIGN, II.						
	PREREQUISITE: L. A. 337.							
	8 HOURS, OR 1 TO 2 UNITS							
	44946	LAB	1-5	MTUWTHF	200N M H			HOLADAY

COURSES FOR GRADUATES

L A	435	URBAN DESIGN. PREREQUISITE: PASSAGE OF SPECIAL DESIGN EXAMINATION AND CREDIT OR REGISTRATION IN U. P. 384. 2 UNITS	44954	LAB	I-5	MTUWTH	110	MUM HOUSE	STAFF
L A	436	ADVANCED LANDSCAPE DESIGN. PREREQUISITE: PASSAGE OF SPECIAL DESIGN EXAMINATION, OR CONSENT OF INSTRUCTOR. 1 TO 2 UNITS	44962	LAB	8-12	M W F	110	MUM HOUSE	CARNES
L A	457	LANDSCAPE MANAGEMENT. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	44971	LECT LAB	10-12 ARR	TU	210 110	M H MUM HOUSE	KEITH
L A	467	LANDSCAPE ARCHITECTURE PROFESSIONAL EDUCATION. PREREQUISITE: GRADUATE STANDING IN LANDSCAPE ARCHITECTURE. 1 UNIT	44989	LECT LAB	10-12 ARR	TH	210 110	M H MUM HOUSE	HAZLETT
L A	477	DEVELOPMENT OF LANDSCAPE ARCHITECTURAL THOUGHT. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/2 UNIT	44997	DISC	8-10	TU	210	M H	RUTLEDGE
L A	490	SPECIAL PROBLEMS. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/2 TO 1 UNIT	45003	LAB	ARR				STAFF
L A	499	THESIS RESEARCH. 0 TO 1 1/2 UNITS	45011	CONF	ARR				STAFF

LATIN

DEPARTMENT OFFICE

361 L H

MAJOR: TWENTY HOURS, EXCLUDING LATIN 101, 102, AND 103, AND INCLUDING SIX HOURS IN TRANSLATION COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES. IN ADDITION, CLASSICAL CIVILIZATION 301-302 IS STRONGLY RECOMMENDED AS AN ELECTIVE. SEE ALSO THE SPECIALIZED CURRICULUM PREPARATORY TO THE TEACHING OF LATIN.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ENGLISH LITERATURE, FOREIGN LANGUAGE (GREEK BEING ESPECIALLY RECOMMENDED), HISTORY, LIBRARY SCIENCE, AND PHILOSOPHY.

COURSES FOR UNDERGRADUATES

LAT	101	ELEMENTARY LATIN, I. *NO CREDIT TOWARD GRADUATION IS GIVEN FOR LAT. 101 WITHOUT LAT. 102. *4 HOURS	45020	LECT-DISC	A	2	MTUWTH	362	L H	DDLE
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LAT 102 ELEMENTARY LATIN, II.
 PREREQUISITE: LAT. 101 OR ONE YEAR OF HIGH SCHOOL LATIN.
 4 HOURS
 45038 LECT-DISC A 11 MTUWTH 362 L H FOLEY
 45046 LECT-DISC B 12 MTUWTH 362 L H STAPLETON
 45054 LECT-DISC C 3 MTUWTH 114 D K H PARKER

LAT 103 INTERMEDIATE LATIN.
 PREREQUISITE: LAT. 102 OR TWO YEARS OF HIGH SCHOOL LATIN.
 4 HOURS
 *SECTION C IS LIMITED TO STUDENTS HAVING TAKEN 102D IN THE FALL.
 45062 LECT-DISC A 12 MTUWTH 240 ADMIN BRUNK
 45071 LECT-DISC B 1 MTUWTH 240 ADMIN RAINER
 45089 LECT-DISC *C 3 MTUWTH 114 D K H PARKER

LAT 104 INTRODUCTION TO VERGIL.
 PREREQUISITE: LAT. 103 OR THREE YEARS OF HIGH SCHOOL LATIN.
 4 HOURS
 45097 LECT-DISC A 8 TUWTHF 209 D K H FLAKUS
 45101 LECT-DISC B 12 MTUWTH 209 D K H GLATHART
 45119 LECT-DISC C 1 MTUWTH 209 D K H STEINBECK

LAT 105 VERGIL CONTINUED.
 PREREQUISITE: LAT. 104 OR ONE SEMESTER OF VERGIL IN COLLEGE OR HIGH SCHOOL.
 4 HOURS
 45127 LECT-DISC A 4 MTUWTH 240 ADMIN

LAT 114 LATIN COMPOSITION, II.
 REQUIRED OF THOSE RECEIVING THE RECOMMENDATION OF THE DEPARTMENT AS TEACHERS.
 PREREQUISITE: LAT. 113.
 2 HOURS
 45135 LECT-DISC 9 TU TH 362 L H SCANLAN

COURSES FOR ADVANCED UNDERGRADUATES

LAT 202 SURVEY OF LATIN LITERATURE.
 PREREQUISITE: LAT. 105 OR FOUR YEARS OF HIGH SCHOOL LATIN.
 3 HOURS
 45143 LECT-DISC A 9 M W F 217 G H ALLEN
 45151 LECT-DISC B 10 M W F 209 D K H TAYLOR

LAT 204 LITERATURE OF THE EMPIRE.
 PREREQUISITE: LAT. 202.
 3 HOURS
 45160 LECT-DISC A 10 M W F 362 L H NEWMAN

LAT 291 SENIOR SURVEY.
 PREREQUISITE: LAT. 204.
 2 HOURS
 45178 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LAT 306 AN ADVANCED COURSE IN VERGIL.
 PREREQUISITE: LAT. 201 AND 202.
 3 HOURS OR 1/2 UNIT
 45186 LECT-DISC A 9 M W F 362 L H SCANLAN

LAT 312 ADVANCED LATIN COMPOSITION, II.
 PREREQUISITE: LAT. 311.
 2 HOURS OR 1/2 UNIT
 45194 LECT-DISC A 10 TU TH 362 L H PIEPER

LAT 391 READINGS IN LATIN LITERATURE.
 PREREQUISITE: THREE YEARS OF COLLEGE LATIN OR EQUIVALENT, CONSENT
 OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 12 HOURS.
 *3 HOURS OR 3/4 UNIT
 45208 LECT-DISC A 2 M W F 270 L H MARCOVICH

COURSES FOR GRADUATES

LAT 401 READINGS IN LATIN FOR GRADUATE STUDENTS.
 PREREQUISITE: TWO YEARS OF HIGH SCHOOL LATIN, OR THE EQUIVALENT.
 4 HOURS
 45216 LECT-DISC A 4 MTWTH 362 L H GONZALEZ

LAT 426 TACITUS, THE ANNALES.
 1 UNIT
 45224 LECT-DISC A 3-5 M W 409 LIB OLIVER

LAT 441 LATIN PALAEOGRAPHY.
 1 UNIT
 45232 LECT-DISC A 3-5 TU TH 409 LIB ABBOTT

LAT 491 DIRECTED READING.
 PREREQUISITE: SECOND YEAR GRADUATE STANDING.
 *NO STUDENT MAY OFFER MORE THAN 1 UNIT OF CREDIT IN THIS
 COURSE TOWARD THE DEGREE OF PH. D.
 *1/4 TO 1 UNIT
 45241 CONF ARR STAFF

LAT 496 BIBLIOGRAPHY AND CRITICISM, II.
 SAME AS GRK. 496.
 1/2 UNIT
 45259 LECT-DISC A 2 TU TH 409 LIB OLIVER

LAT 499 THESIS RESEARCH.
 0 TO 4 UNITS
 45267 CONF ARR STAFF

LATIN AMERICAN STUDIES PROGRAM

DEPARTMENT OFFICE 253 1208 W. CALIFORNIA

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

STUDENTS WHO ELECT LATIN AMERICAN STUDIES AS A MINOR SHALL
 BE REQUIRED TO:

1. COMPLETE SIX SEMESTERS OR EQUIVALENT OF COLLEGE SPANISH OR
 PORTUGUESE. IF A STUDENT WISHES TO TAKE BOTH SPANISH AND
 PORTUGUESE HE MAY TAKE TWO YEARS OF EACH TO SATISFY THIS
 REQUIREMENT. IN THE CASE OF WELL-QUALIFIED STUDENTS THE LANGUAGE
 REQUIREMENT MAY BE MODIFIED.

2. COMPLETE AT LEAST TWENTY SEMESTER HOURS FROM THE COURSES LISTED
 BELOW, INCLUDING SOC. S. 201, CHOSEN FROM AMONG FOUR DEPARTMENTS.
 COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE LATIN AMERICAN
 STUDIES PROGRAM MAY NOT BE INCLUDED WITHIN THIS TWENTY HOURS.

ANTH 332, 333, 349, 350, 352, 361	PHIL 319
380	POL S 342, 343
ART 318	PORT 301, 303, 304
ECON 352	SOC S 201
GEOG 331, 332	SOC 373
HIST 375, 376, 377, 378	SPAN 222, 242, 307, 308, 310
MUSIC 336	332

GRADUATE MINOR IN LATIN AMERICAN STUDIES

CANDIDATES FOR THE MASTERS DEGREE MUST ELECT A MINIMUM OF TWO UNITS FOR A MINOR IN THIS PROGRAM. DOCTORAL CANDIDATES WHO ELECT LATIN AMERICAN STUDIES AS A SOLE MINOR MUST EARN A MINIMUM OF FOUR UNITS OF CREDIT IN APPROVED COURSES, FOR A SPLIT MINOR, AT LEAST TWO UNITS OF CREDIT MUST BE EARNED. THE COURSES FOR ALL GRADUATE MINORS IN LATIN AMERICAN STUDIES MUST BE TAKEN IN AT LEAST TWO DEPARTMENTS. COURSES IN THE FOLLOWING LIST MAY BE INCLUDED IN THE GRADUATE MINOR:

AG EC 401	MUSIC 336
AGRON 429	PHIL 319, 483
ANTH 332, 333, 349, 350, 352,	POL S 342, 343, 441, 442, 490
361, 380, 490	PORT 301, 303, 304, 405, 406
ART 318, 491	491
BDT 300	SOC 373, 490
ECON 352, 411, 490	SPAN 307, 308, 310, 431, 432,
GEOG 331, 332, 495	433, 434, 435, 436, 437,
HIST 375, 376, 377, 378, 461	438, 439

STUDENTS IN OTHER COLLEGES

STUDENTS IN TECHNICAL AND PROFESSIONAL COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF LATIN AMERICAN AFFAIRS, CULTURE, AND LANGUAGES ARE INVITED TO CONSULT WITH MEMBERS OF THE TEACHING STAFF OF THE LATIN AMERICAN STUDIES PROGRAM, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH A PROGRAM MAY OFTEN BE ADOPTED AS A SPECIAL MINOR UNDER EXISTING REGULATIONS IF THE STUDENT SO DESIRES. IT IS RECOGNIZED THAT THE NUMBER OF ELECTIVE HOURS AVAILABLE FOR SUCH SPECIAL AREA STUDIES VARIES AMONG MANY OF THE EIGHT- AND TEN-SEMESTER PROGRAMS IN THE UNIVERSITY, BUT MOST STUDENTS WISHING TO INCREASE THEIR PROFICIENCY IN LATIN AMERICAN AFFAIRS CAN DO SO WITHOUT EXCESSIVE CROWDING OF SCHEDULES. THESE COURSES ARE OF PARTICULAR VALUE TO STUDENTS WHO INTEND TO CARRY ON TECHNICAL OR PROFESSIONAL WORK IN THE LATIN AMERICAN AREA FOR THE GOVERNMENT, PRIVATE BUSINESS, PUBLICATIONS, OR RELIGIOUS ORGANIZATIONS.

LAW

DEPARTMENT OFFICE

209 LAW

COURSES FOR FIRST-YEAR LAW STUDENTS

NOTE: STUDENTS ASSIGNED TO GROUP I SHOULD TAKE SEC. A OF LAW 302, 304, 308, 334, AND 335.

STUDENTS ASSIGNED TO GROUP II SHOULD TAKE SEC. B OF LAW 302, 304, 308, 334, AND 335.

STUDENTS ASSIGNED TO GROUP III SHOULD TAKE SEC. C OF LAW 302, 304, 308, 334, AND 335.

LAW 302 CONTRACTS B.

*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M. C. L. DEGREE.

*3 HOURS OR 1 UNIT

45275	LECT-DISC A	9	THFS	A LAW	HAY
45283	LECT-DISC B	10	THFS	A LAW	BENFIELD
45291	LECT-DISC C	8	THFS	D LAW	MAGGS

LAW 304 TORTS B.

*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M. C. L. DEGREE.

*3 HOURS OR 1 UNIT

45305	LECT-DISC A	2	WTHF	A LAW	ESTER
45313	LECT-DISC B	11	THFS	A LAW	O'CONNELL
45321	LECT-DISC C	10	MTUW	D LAW	QUICK

LAW	308	PROPERTY B.					
		*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT					
		FOR STUDENTS WHO ARE CANDIDATES FOR THE M. C. L. DEGREE.					
		*3 HOURS OR 1 UNIT					
	45330	LECT-DISC A	9	MTUW	A LAW	CRIBBET	
	45348	LECT-DISC B	2	MTUW	D LAW	FINDLEY	
	45356	LECT-DISC C	3	MTUW	D LAW	PLAGER	
LAW	316	MOOT COURT.					
	1 HOUR						
	45364	LECT-DISC A	1	TU	A LAW	COHN AND	
	45372	LECT-DISC B	1	W	A LAW	OTHERS	
	45381	LECT-DISC C	1	TH	A LAW		
	45399	LECT-DISC D	1	TH	B LAW		
	45402	LECT-DISC E	3	TH	A LAW		
	45411	LECT-DISC F	1	F	A LAW		
	45429	LECT-DISC G	1	F	B LAW		

COURSES FOR ADVANCED LAW STUDENTS

LAW	318	APPELLATE ADVOCACY B.				
	1 HOUR					
	45437	CONF A	ARR			
LAW	322	COMMERCIAL LAW, I.				
	4 HOURS OR 1 UNIT					
	45445	LECT-DISC A	3	THF	B LAW	BENFIELD
	45453	LECT-DISC B	2	THF	B LAW	GREENSPAN
LAW	323	ADMINISTRATIVE LAW.				
	3 HOURS OR 1 UNIT					
	45461	LECT-DISC A	9	THFS	B LAW	COHN
	45470	LECT-DISC B	10	THFS	B LAW	COHN
LAW	324	CORPORATIONS.				
	3 HOURS OR 1 UNIT					
	45488	LECT-DISC A	10	MTUW	C LAW	DOOLEY
	45496	LECT-DISC B	2	MTUW	B LAW	FRAMPTON
LAW	326	EVIDENCE.				
	3 HOURS OR 1 UNIT					
	45500	LECT-DISC A	9	MTUW	B LAW	MARSHALL
	45518	LECT-DISC B	3	MTUW	B LAW	QUICK
LAW	330	RESTITUTION.				
	3 HOURS OR 1 UNIT					
	45526	LECT-DISC A	8	THFS	A LAW	STONE
LAW	333	PERSONS.				
	2 HOURS OR 1/2 UNIT					
	45534	LECT-DISC A	8	THFS	C LAW	ESTER
LAW	334	CRIMINAL LAW ADMINISTRATION AND PROCEDURE.				
	2 HOURS OR 1/2 UNIT					
	THIS COURSE IS FOR FIRST YEAR LAW STUDENTS.					
	45542	LECT-DISC A	2	MTU	A LAW	LA FAVE
	45551	LECT-DISC B	11	M W	A LAW	SCHWARTZ
	45569	LECT-DISC C	11	M W	D LAW	BOWMAN
LAW	335	TRIALS AND APPEALS.				
	3 HOURS OR 1 UNIT					
	THIS COURSE IS FOR FIRST YEAR LAW STUDENTS.					
	45577	LECT-DISC A	8	M	D LAW	SEMME
		A	4		D LAW	SEMME
		A	11		D LAW	SEMME
	45585	LECT-DISC B	3	MTUW	A LAW	MARSHALL
	45593	LECT-DISC C	10	THFS	D LAW	STONE
LAW	338	INSURANCE.				
	2 HOURS OR 1/2 UNIT					
	45607	LECT-DISC A	1	TUW	B LAW	DOOLEY

LAW	339	CONFLICT OF LAWS.						
	3 HOURS OR 1 UNIT							
	45615	LECT-DISC A	11	THFS	E LAW		GREENSPAN	
LAW	342	MORTGAGES.						
	3 HOURS OR 1 UNIT							
	45623	LECT-DISC A	10	MTUW	B LAW		FINLEY	
LAW	344	CREDITORS RIGHTS.						
	3 HOURS OR 1 UNIT							
	45631	LECT-DISC A	2	MTUW	C LAW		BOWMAN	
LAW	345	CIVIL AND POLITICAL RIGHTS.						
	2 HOURS OR 1/2 UNIT							
	45640	LECT-DISC A	11	M W	B LAW		REISNER	
LAW	346	FUTURE INTERESTS.						
	3 HOURS OR 1 UNIT							
	45658	LECT-DISC A	10	THFS	C LAW		WAGGONER	
LAW	347	LABOR LAW, I.						
	SAME AS L.I.R. 347.							
	3 HOURS OR 1 UNIT							
	45666	LECT-DISC A	9	THFS	D LAW		GOLDBERG	
LAW	348	INTERNATIONAL LAW.						
	3 HOURS OR 1 UNIT							
	45674	LECT-DISC A	8	MTUW	E LAW			
LAW	349	STATE AND LOCAL TAXATION.						
	2 HOURS OR 1/2 UNIT							
	45682	LECT-DISC A	2	THF	117 LAW		YOUNG	
LAW	352	TAXATION OF GRATUITOUS TRANSFERS.						
	2 HOURS OR 1/2 UNIT							
	45691	LECT-DISC A	11	THF	B LAW		YOUNG	
	45704	LECT-DISC B	8	MTU	B LAW		KIONKA	
LAW	353	CORPORATION FINANCE AND SECURITIES.						
	2 HOURS OR 1/2 UNIT							
	45712	LECT-DISC A	4-6	TH	E LAW		MC CORD	
LAW	355	TRADE REGULATION.						
	3 HOURS OR 1 UNIT							
	45721	LECT-DISC A	9	MTUW	E LAW		DU VAL	
LAW	360	LEGAL DRAFTING AND LAW OFFICE PRACTICE.						
	2 HOURS							
	45739	LECT-DISC A	8	M W	117 LAW		MAMER	
LAW	362	PRACTICE COURT.						
	*CREDIT CONTINGENT UPON COMPLETION OF SECOND SEMESTER WORK.							
	*1 HOUR							
	CONTINUATION OF A FIRST SEMESTER COURSE.							
	45747	LECT-DISC A	2-4	F	COURTROOM LAW		MARSHALL	
	45755	LECT-DISC B	4-6	F	COURTROOM LAW		MARSHALL	
LAW	364	LAND USE PLANNING.						
	2 1/2 HOURS							
	45763	LECT-DISC A	9	MTUW	D LAW		PLAGER	
LAW	365	TAX PROBLEMS.						
	2 HOURS OR 1/2 UNIT							
	45771	LECT-DISC A	10	THF	E LAW		MC CORD	

LAW	370	LABOR LAW, 11.							
		PREREQUISITE: LAW 347 OR CONSENT OF INSTRUCTOR.							
		2 HOURS OR 1/2 UNIT							
	45780	LECT-DISC	A	3	THF	E LAW		GOLDBERG	
LAW	371	SEMINAR IN SELECTED LEGAL PROBLEMS.							
		2 HOURS OR 1/2 UNIT							
	45798	LECT-DISC	A	4-6	M	117 LAW		LA FAVE	
	45801	LECT-DISC	B	4-6	M	219 LAW		REISNER	
	45810	LECT-DISC	C	4-6	TU	117 LAW		FRAMPTON	
	45828	LECT-DISC	D	4-6	TU	219 LAW		SCHWARTZ	
	45836	LECT-DISC	E	4-6	W	117 LAW		DU VAL	
	45844	LECT-DISC	F	2-4	TH	219 LAW		O'CONNELL	
	45852	LECT-DISC	G	4-6	TH	219 LAW		WAGGONER	
	45861	LECT-DISC	H	4-6	F	117 LAW		HAY	
LAW	372	PROBLEMS IN ESTATE PLANNING.							
		2 HOURS OR 1/2 UNIT							
	45879	LECT-DISC	A	2	THF	E LAW		MC CORD	
	45887	LECT-DISC	B	9	THF	E LAW		YOUNG	
LAW	387	INTERNATIONAL ECONOMIC ORGANIZATIONS.							
		3 HOURS OR 1 UNIT							
	45895	LECT-DISC	A	11	THFS	C LAW		HAY	
LAW	391	LEGAL PROBLEMS.							
		1 HOUR							
	45909	CONF	A	ARR					
LAW	392	LEGAL PROBLEMS.							
		1 HOUR							
	45917	CONF	A	ARR					
LAW	393	LEGAL PROBLEMS.							
		1 HOUR							
	45925	CONF	A	ARR					
LAW	394	LEGAL PROBLEMS.							
		1 HOUR							
	45933	CONF	A	ARR					
LAW	399	RESEARCH ON SPECIAL TOPICS.							
		1 TO 4 HOURS, OR 1/2 OR 1 UNIT							
	45941	CONF	A	ARR					
	45950	CONF	B	ARR					

COURSES FOR GRADUATES

LAW	499	THESIS RESEARCH.				
		1/2 TO 3 UNITS				
	45968	CONF	A	ARR		

LIBERAL ARTS

DEPARTMENT OFFICE

294 L H

COURSES FOR UNDERGRADUATES

L A S 141 PHYSICAL SCIENCE, I.

4 HOURS

THIS COURSE WAS FORMERLY D. G. S. 141.

STUDENTS MUST REGISTER IN THE LECTURE PLUS ONE DISCUSSION SECTION.
INDEPENDENT STUDY IN THE LABORATORY (2 OR MORE HOURS PER WEEK)
IS UNSCHEDULED.

45976	LECT		3	W F	151	P B	ROSEN AND STAFF
86691	DISC	1	8	TH	8	C A	
45984	DISC	2	11	TH	8	C A	
45992	DISC	3	1	TH	152	ADMIN	
46009	DISC	4	2	TH	8	C A	
46017	DISC	5	4	TH	8	C A	
46025	DISC	6	9	TH	8	C A	

L A S 142 PHYSICAL SCIENCE, II.

PREREQUISITE: L. A. S. 141.

4 HOURS

THIS COURSE WAS FORMERLY D. G. S. 142.

*ENROLLMENT IN SECTION S1 LIMITED TO STUDENTS CONCURRENTLY ENROLLED
IN EL. ED. 335, LECT-LAB 1.*ENROLLMENT IN SECTION S2 LIMITED TO STUDENTS CONCURRENTLY ENROLLED
IN EL. ED. 335, LECT-LAB 2.*ENROLLMENT IN SECTION S3 LIMITED TO STUDENTS CONCURRENTLY ENROLLED
IN EL. ED. 335, LECT-LAB 3.EXCEPT FOR STUDENTS ENROLLED IN THE ABOVE THREE SPECIAL SECTIONS,
ALL STUDENTS MUST REGISTER IN ONE LECTURE PLUS ONE DISCUSSION
SECTION. INDEPENDENT STUDY IN THE LABORATORY (2 OR MORE HOURS
PER WEEK) IS UNSCHEDULED.

46033	LECT	A	8	M W	100	M M B	ROSEN AND STAFF
46041	LECT	B	3	M W	314	A H	
46050	LECT	C	12	M W	100	M M B	
46068	DISC	7	1	TH	8	C A	
46076	DISC	8	3	TH	9	C A	
46084	DISC	9	4	TH	210	C A	
46092	DISC	10	8	TH	9	C A	
46106	DISC	11	10	TH	9	C A	
46114	DISC	12	12	TH	9	C A	
46122	DISC	13	4	TH	9	C A	
46131	DISC	14	9	TU	9	C A	
46149	DISC	15	10	TU	9	C A	
46157	DISC	16	1	TU	9	C A	
46165	DISC	17	3	TU	9	C A	
46173	DISC	18	4	TU	9	C A	
46181	DISC	19	8	TU	9	C A	
46190	DISC	20	11	TU	9	C A	
46203	DISC	21	3	TU	8	C A	
46211	DISC	22	4	TU	8	C A	
46220	DISC	23	8	TU	8	C A	
46238	DISC	24	9	TU	8	C A	
46246	DISC	25	10	TU	8	C A	
46254	DISC	26	11	TU	8	C A	
46262	DISC	27	1	TU	8	C A	
86705	LAB-DISC	*S1	1-3	W	216	N L	
	DISC	*S1	2	TH	9	C A	
	LECT	*S1	12	M W	100	M M B	
86713	LAB-DISC	*S2	1-3	F	216	N L	
	DISC	*S2	1	TH	9	C A	
	LECT	*S2	12	M W	100	M M B	
46297	LAB-DISC	*S3	9-11	TU	216	N L	
	DISC	*S3	11	TH	9	C A	
	LECT	*S3	12	M W	100	M M B	

L A S 161 LITERATURE AND FINE ARTS.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.

4 HOURS

THIS COURSE WAS FORMERLY D. G. S. 161.

46301	LECT		11	M W	192	L H	DUNDAS AND STAFF
46319	DISC	C	10	TU TH	143	A H	
46327	DISC	D	11	TU TH	141	A H	
46335	DISC	F	2	TU TH	141	A H	

L A S 162 LITERATURE AND FINE ARTS.
PREREQUISITE: L. A. S. 161 OR CONSENT OF INSTRUCTOR.
4 HOURS

THIS COURSE WAS FORMERLY D. G. S. 162.

46343	DISC	A	8	TU TH	143	A H	DRAPER AND STAFF
	LECT	1	9	M W	196	L H	
46351	DISC	B	9	TU TH	143	A H	
	LECT	1	9	M W	196	L H	
46360	DISC	D	11	TU TH	143	A H	
	LECT	1	9	M W	196	L H	
46378	DISC	E	1	TU TH	143	A H	
	LECT	1	9	M W	196	L H	
46386	DISC	F1	2	TU TH	143	A H	
	LECT	2	2	M W	66	LIB	
46394	DISC	F2	2	TU TH	196	L H	
	LECT	2	2	M W	66	LIB	
46408	DISC	F3	2	TU TH	147	A H	
	LECT	2	2	M W	66	LIB	
46416	DISC	G1	3	TU TH	143	A H	
	LECT	2	2	M W	66	LIB	
46424	DISC	G2	3	TU TH	141	A H	
	LECT	2	2	M W	66	LIB	
46432	DISC	G3	3	TU TH	147	A H	
	LECT	2	2	M W	66	LIB	

L A S 174 AMERICAN COMMUNITIES AND THEIR PROBLEMS.
4 HOURS

46441	LECT	1	9	TU TH	213	G H	SHIMKIN
46459	DISC	A	3-5	M	170	L H	
46467	DISC	B	3-5	TU	145	L H	
46475	DISC	C	3-5	W	262	L H	
46483	DISC	D	3-5	TH	240	L H	
46491	DISC	E	3-5	F	108	L H	
46505	DISC	F	3-5	TU	116	L H	

L A S 182 NATURE OF SCIENCE.
PREREQUISITE: JAMES SCHOLAR OR SOPHOMORE STANDING.
4 HOURS

46513	LECT-DISC	1	M W F	103	N L	
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L A S 198 FRESHMAN SEMINAR IN PHYSICAL SCIENCE.
PREREQUISITE: L. A. S. 197.
4 HOURS

46521	CONF	6	9	M W F	209A	D H	ROSEN
	LAB	6	ARR				

COURSES FOR ADVANCED UNDERGRADUATES

L A S 299 LAS STUDY ABROAD.
PREREQUISITE: PERMISSION OF THE STUDENT'S MAJOR DEPARTMENT
AND THE COLLEGE OFFICE.
*FINAL DETERMINATION OF APPROPRIATE CREDIT WILL BE MADE UPON THE
STUDENT'S COMPLETION OF THE WORK. THE COURSE MAY BE REPEATED TO A
MAXIMUM OF 30 SEMESTER HOURS PER ACADEMIC YEAR OR TO A TOTAL OF 36
SEMESTER HOURS, ALL OF WHICH MUST BE EARNED WITHIN ONE
CALENDAR YEAR.
0 TO 15 HOURS

46530	CONF	ARR				
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LIBRARY SCIENCE

DEPARTMENT OFFICE

331 LIB

COURSES FOR UNDERGRADUATES

LIB S 195 INTRODUCTION TO LIBRARY USE.
 INTENDED FOR FRESHMEN AND SOPHOMORES; NOT TO BE COUNTED TOWARD
 THE UNDERGRADUATE MINOR IN LIBRARY SCIENCE. NOT FOR STUDENTS IN
 THE GRADUATE SCHOOL OF LIBRARY SCIENCE.
 3 HOURS

46548	LECT-DISC	A	12	M	W	F	429	LIB	SAAR
46556	LECT-DISC	B	4	M	W	F	389	EDUC	SAAR

LIB S 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS

46564	CONF		11		TH		66	LIB	
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COURSES FOR ADVANCED UNDERGRADUATES

LIB S 201 INTRODUCTION TO REFERENCE SERVICE.
 PREREQUISITE: 60 HOURS OF ACADEMIC WORK.
 3 HOURS

46572	LECT-DISC		3-430	M	W		227	LIB	THOMASSEN
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LIB S 204 DEVELOPMENT AND OPERATION OF LIBRARIES.
 PREREQUISITE: 60 HOURS OF ACADEMIC WORK.
 3 HOURS
 *STUDENTS WILL BE REQUIRED TO MEET ALL AFTERNOON ON APPROXIMATELY
 FOUR TUESDAYS DURING THE SEMESTER.

46581	LECT-DISC		10	TU	TH		227	LIB	LINDNERMAN
46599	LAB	*A	1-3	TU			309	LIB	CROWE
46602	LAB	*B	3-5	TU			309	LIB	CROWE

LIB S 255 ORGANIZATION OF LIBRARY MATERIALS.
 PREREQUISITE: JUNIOR STANDING (60 HOURS OF ACADEMIC WORK).
 3 HOURS

46611	LECT-DISC		1-3		W	F	227	LIB	HEATH
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LIB S 258 SELECTION OF LIBRARY MATERIALS.
 PREREQUISITE: 60 HOURS OF ACADEMIC WORK.
 3 HOURS

46629	LECT-DISC		9	M	W	F	314	LIB	BONE
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LIB S 301 LITERATURE OF THE HUMANITIES AND SOCIAL SCIENCES.
 PREREQUISITE: SENIOR STANDING.
 3 HOURS OR 1 UNIT

46637	LECT-DISC		11		M	W	F	227	LIB	BONE
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LIB S 303 LIBRARY MATERIALS FOR CHILDREN.
 PREREQUISITE: JUNIOR STANDING.
 3 HOURS, OR 1/2 OR 1 UNIT
 *SECTION D LIMITED TO GRAD STUDENTS, OR BY CONSENT OF INSTRUCTOR.

46645	LECT-DISC	A	8	M	W	F	2270	LIB	CROWE	
46653	LECT-DISC	B	10	M	W	F	314	LIB	LOHRER	
46661	LECT-DISC	C	630-930PM	TU			66	LIB	SCHULTZ	
46670	LECT-DISC	*D	2		M	W	F	328B	LIB	LADLEY

LIB S 308 AUDIO-VISUAL SERVICES IN LIBRARIES.
 PREREQUISITE: JUNIOR STANDING.
 3 HOURS OR 1 UNIT

46688	LECT-DISC		12-2		M	W		314	LIB	THOMASSEN
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LIB S 309 STORYTELLING.
 PREREQUISITE: JUNIOR STANDING.
 3 HOURS, OR 1/2 OR 1 UNIT

46696	LECT-DISC		4-530		M	W		314	LIB	LADLEY
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LIB S 429 INFORMATION STORAGE AND RETRIEVAL.
PREREQUISITE: LIB. S. 405 AND CONSENT OF INSTRUCTOR.
1 UNIT
46866 LECT-DISC 9-11 TH 314 LIB

LIB S 430 ADVANCED REFERENCE.
PREREQUISITE: LIB. S. 424 OR CONSENT OF INSTRUCTOR.
1 UNIT
46874 LECT-DISC 8-10 TH 328B LIB ALLEN

LIB S 432 BOOKS AND LIBRARIES SINCE THE RENAISSANCE.
SAME AS COMM. 432.
1 UNIT
46882 LECT-DISC 1-3 TU 227 LIB STEVENS

LIB S 433 ADVANCED SUBJECT BIBLIOGRAPHY.
PREREQUISITE: CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 1 UNIT.
*1/2 UNIT
46891 LECT-DISC B 9 TH 309 LIB JENKINS
46904 LECT-DISC C ARR POWER
46912 LECT-DISC G ARR WILLARD
46921 LECT-DISC K 2 TH 328B LIB MILLER

LIB S 434 LIBRARY SYSTEMS.
PREREQUISITE: LIB. S. 405 OR CONSENT OF INSTRUCTOR.
1 UNIT
46939 LECT-DISC 8-10 TU 227 LIB CROWLEY

LIB S 438 ADMINISTRATION AND USE OF ARCHIVAL MATERIALS.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
46947 LECT-DISC 3-5 TH 309 LIB BRICHFORD

LIB S 442 SEMINAR IN LIBRARY MATERIALS FOR CHILDREN AND YOUNG ADULTS.
PREREQUISITE: LIB. S. 303 OR 304, AND ED. PSY. 211, OR CONSENT OF INSTRUCTOR.
1 UNIT
46955 LECT-DISC 8-10 TU 328B LIB LAOLEY

LIB S 443 CONTEMPORARY BOOK PUBLISHING.
1 UNIT
46963 LECT-DISC 1-3 W 309 LIB ALLEN

COURSES FOR ADVANCED GRADUATES

LIB S 450 ADVANCED PROBLEMS IN LIBRARIANSHIP.
PREREQUISITE: A FIFTH-YEAR DEGREE IN LIBRARY SCIENCE, CONSENT OF DIRECTOR.
1/2 TO 2 UNITS
46971 CONF J ARR
46980 LAB W ARR
STAFF
GOLOHOR

LIB S 460 SPECIAL TOPICS IN LIBRARIANSHIP.
STUDENTS MAY ENROLL IN A MAXIMUM OF TWO SECTIONS, CONCURRENTLY OR CONSECUTIVELY. OPEN TO DOCTORAL STUDENTS ONLY.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
46998 LECT-DISC C ARR
47004 LECT-DISC O ARR
HENDERSON
STEVENS

LIB S 499 499 THESIS RESEARCH.
*MS CANDIDATES; 0 TO 2 UNITS. PHD CANDIDATES; 0 TO 4 UNITS.
*0 TO 4 UNITS
47012 CONF ARR
STAFF

LINGUISTICS

DEPARTMENT OFFICE

309H D H

COURSES FOR UNDERGRADUATES

LING 198	FRESHMAN SEMINAR. PREREQUISITE: JAMES SCHOLAR STANDING OR OTHER DESIGNATION AS A SUPERIOR STUDENT, AND CONSENT OF INSTRUCTOR. 3 HOURS								
47021	LECT-DISC	11	M	F	312	D H		B KACHRU	
LING 199	UNDERGRADUATE OPEN SEMINAR. *MAY BE REPEATED. *0 TO 9 HOURS SECTION A TOPIC IS YORUBA. SECTION B TOPIC IS SWAHILI.								
47039	LECT-DISC A	4	M	W	F	311	D H	STAHLKE	
47047	LECT-DISC B	10	M	W	F	312	D H	KIM	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LING 300	INTRODUCTION TO LINGUISTICS. SAME AS ANTH. 300. PREREQUISITE: FULFILLMENT OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR EQUIVALENT. 3 HOURS OR 1/2 UNIT								
47055	LECT-DISC	9	M	W	F	223	G H	KISSEBERTH	
LING 302	COMPARATIVE LINGUISTICS. PREREQUISITE: FULFILLMENT OF FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES OR THE EQUIVALENT. 3 HOURS OR 1/2 UNIT								
47063	LECT-DISC B	3	M	W	F	311	D H	MILLER	
LING 303	NON-WESTERN LINGUISTIC STRUCTURES. MAY BE REPEATED FOR CREDIT UPON CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT *SECTION A CONCERNS IRANIAN. *SECTION C CONCERNS SWAHILI. OPEN TO THOSE WHO HAVE AT LEAST ONE YEAR OF SWAHILI. *SECTION F CONCERNS KOREAN.								
47071	LECT-DISC *A	1	M	W	F	311	D H	MILLER	
47080	LECT-DISC *C	11	M	W	F	311	D H	KIM	
47098	LECT-DISC *F	12	M	W	F	311	D H	KIM	
LING 305	INTRODUCTION TO APPLIED LINGUISTICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 3/4 UNIT								
47101	LECT-DISC	9	M	W	F	312	D H	BOUTON	
LING 316	STRUCTURE OF THE FRENCH LANGUAGE. SAME AS FR. 316. PREREQUISITE: FR. 313 OR EQUIVALENT TRAINING IN PHONETICS. 3 HOURS OR 3/4 UNIT								
47110	LECT-DISC	10	M	W	F	374	L H	JENKINS	
LING 325	INTRODUCTION TO PSYCHOLINGUISTICS. SAME AS COMM. 325. PREREQUISITE: AN INTRODUCTORY COURSE IN LINGUISTICS OR PSYCHOLOGY, AND CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT								
47128	LECT-DISC	10	M	W	F	311	G H	MACLAY	
LING 338	PHILOSOPHIES OF LANGUAGE. SAME AS PHIL. 338. PREREQUISITE: ONE COURSE IN LINGUISTICS. 3 HOURS, OR 3/4 OR 1 UNIT								
47136	LECT-DISC G	3	M	W	F	336	G H	STAFF	

LING 340	HISTORY OF LINGUISTICS. PREREQUISITE: LING. 300 OR EQUIVALENT. 3 HOURS OR 1 UNIT	47144	LECT-DISC	7-9PM	TH	312	O H	WENNER
LING 351	AREA LINGUISTICS. PREREQUISITE: LING. 300. 3 HOURS OR 1 UNIT	47152	LECT-DISC	4	M W F	159	O H	LEHMAN
LING 360	INTRODUCTION TO SOUTH ASIAN LINGUISTICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT	47161	LECT-DISC	11-1230	TU TH	312	O H	Y. KACHRU
LING 367	INTRODUCTION TO GERMAN LINGUISTICS. SAME AS GMC. 367. PREREQUISITE: COMPLETION OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR EQUIVALENT. SOME KNOWLEDGE OF GERMAN DESIRABLE. 2 HOURS OR 1/2 UNIT	47179	LECT-DISC	B 9	TU TH	216	L H	ANTONSEN
LING 370	LANGUAGE, CULTURE, AND SOCIETY. SAME AS COMM. AND ANTH. 370. 3 HOURS, OR 1/2 OR 1 UNIT	47187	LECT-DISC	3	M W F	317	G H	BRUKMAN
LING 376	SPEECH SCIENCE, II. SAME AS SPCH. 376. PREREQUISITE: LING. 375 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT	47195	LECT-DISC	2	M W F	304	L H	ZEMLIN
LING 383	INTRODUCTION TO SANSKRIT LINGUISTICS, II. PREREQUISITE: LING. 382. 3 HOURS OR 1 UNIT	47209	LECT-DISC	11	M W F	27	PSYCH BLDG	HOCK
LING 388	LINGUISTICS IN LANGUAGE LEARNING, I. SAME AS RHET. 388. PREREQUISITE: TWO YEARS OF FOREIGN LANGUAGE AND CONSENT OF INSTRUCTOR. 4 HOURS OR 3/4 UNIT	47217	LECT-DISC	H 4	M W F	205	E B	ASTON
LING 389	LINGUISTICS IN LANGUAGE LEARNING, II. SAME AS RHET. 389. PREREQUISITE: RHET./LING. 388 AND CONSENT OF INSTRUCTOR. 4 HOURS OR 3/4 UNIT	47225	LECT-DISC	X 12	M W F	303	E B	ASTON

COURSES FOR GRADUATES

LING 401	SYNTAX. PREREQUISITE: LING. 300 OR EQUIVALENT. 1 UNIT	47233	LECT-DISC	3-5 3	M W	312 312	O H O H	GEIS GEIS
LING 402	PHONOLOGY. PREREQUISITE: LING. 301 OR CONSENT OF INSTRUCTOR. 1 UNIT	47241	LECT-DISC	2	M W F	312	O H	KISSEBERTH

LING	403	SEMINAR IN LINGUISTIC ANALYSIS. PREREQUISITE: LING. 401. *MAY BE REPEATED FOR CREDIT WITH CONSENT OF INSTRUCTOR. *1 UNIT SECTION A TOPIC: LINGUISTIC CHANGE. SECTION B TOPIC: INTRODUCTION TO AFRICAN LINGUISTICS.	47250	LECT-DISC A	7-10PM	TU	311	D H	GEIS
			4726B	LECT-DISC B	10	M W F	311	D H	STAHLKE
LING	407	ADVANCED TOPICS IN MATHEMATICAL LINGUISTICS. PREREQUISITE: LING. 307 OR EQUIVALENT. 1 UNIT	47276	LECT-DISC	1-230	TU TH	194	L H	WILKINSON
LING	408	RUSSIAN PHONOLOGY. SAME AS RUSS. 408. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	47284	LECT-DISC AB	820-935	TU TH	261	L H	KENSTOWICZ
LING	410	ADVANCED FIELD METHODS IN LINGUISTICS. SAME AS ANTH. 410. PREREQUISITE: LING. 409 OR EQUIVALENT. 1 UNIT	47292	LECT-DISC A	11	M W F	113	D H	LEHMAN
			47306	LECT-DISC B	ARR				STAHLKE
LING	412	RESEARCH SEMINAR IN HISTORICAL LINGUISTICS. PREREQUISITE: LING. 411 OR CONSENT OF INSTRUCTOR. 1 UNIT	47314	LECT-DISC	2	M W F	311	D H	HOCK, MILLER
LING	415	SEMINAR IN INDO-EUROPEAN LINGUISTICS. 1 UNIT	47322	LECT-DISC	1	M W F	312	D H	HOCK
LING	419	CONTRASTIVE ANALYSIS. SAME AS RHET. 419. PREREQUISITE: LING. 300 OR CONSENT OF INSTRUCTOR. 1/2 OR 1 UNIT	47331	LECT-DISC D	11	M W F	303	E B	STAFF
LING	424	LINGUISTICS AND COMMUNICATIONS. SAME AS COMM. 424. 1 UNIT	47349	LECT-DISC	3-5	TU	123	G H	MACLAY
LING	426	RESEARCH SEMINAR IN PSYCHOLINGUISTICS. SAME AS PSYCH. AND COMM. 426. PREREQUISITE: LING. 425 AND CONSENT OF INSTRUCTOR. 1/2 OR 1 UNIT	47357	LECT	10-12	TU	21	PSYCH LAB	JACOBOVITS
LING	476	EXPERIMENTAL PHONETICS, II. SAME AS SPCH. 476. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	47365	LECT-DISC	11	M W F	324	I H	DANILOFF
LING	490	SPECIAL TOPICS IN LINGUISTICS. 1/2 TO 2 UNITS	47373	CONF A	9	TU TH	312	D H	STAFF
			47381	CONF B	10	TU TH	312	D H	STAFF
LING	499	THESIS RESEARCH. 0 TO 4 UNITS	47390	CONF A	1	TU TH	312	D H	STAFF
			47403	CONF B	2	TU TH	312	D H	STAFF
			47411	CONF C	4	TUWTHF	312	D H	STAFF

MANAGEMENT
SEE INDUSTRIAL ADMINISTRATION

MARKETING

DEPARTMENT OFFICE

350 COM W

COURSES FOR ADVANCED UNDERGRADUATES

MKTG 201 PRINCIPLES OF MARKETING.

PREREQUISITE: ECON. 172 OR EQUIVALENT.

*STUDENTS ARE NOT GIVEN CREDIT FOR BOTH MKTG. 201 AND MKTG. 272.

*3 HOURS

SECTIONS N1 AND P1 OPEN ONLY TO THOSE NON-COMMERCE STUDENTS NOT HAVING PREREQUISITE.

SECTION £S2 OPEN ONLY TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

47420	LECT	I	9	TU TH	141	COM W	GARDNER
47501	DISC	N1	10	TU	166	COM W	STAFF
47438	DISC	N2	10	TH	166	COM W	STAFF
47519	DISC	P1	11	TU	166	COM W	STAFF
47446	DISC	P2	11	TH	166	COM W	STAFF
47454	DISC	R1	1	TU	122	COM W	STAFF
47462	DISC	R2	1	TH	122	COM W	STAFF
47471	DISC	S1	2	TU	122	COM W	STAFF
47527	DISC	£S2	2	TH	122	COM W	STAFF
47489	DISC	T1	3	TU	122	COM W	STAFF
47497	DISC	T2	3	TH	122	COM W	STAFF

MKTG 206 MARKETING ENVIRONMENT.

PREREQUISITE: MKTG. 201.

3 HOURS

47535	LECT-DISC	A	8	M W F	170	COM W	BONFIELD
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MKTG 211 PRINCIPLES OF RETAILING.

PREREQUISITE: MKTG. 201.

3 HOURS

FOR NON-COMMERCE STUDENTS.

47543	LECT-DISC	D	11	M W F	170	COM W	LOCANDER
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MKTG 272 INDUSTRIAL SELLING.

FOR NON-COMMERCE STUDENTS.

*STUDENTS ARE NOT GIVEN CREDIT FOR BOTH MKTG. 272 AND MKTG. 201.

*3 HOURS

47551	LECT-DISC	B	9	M W F	170	COM W	ZIMMERLY
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MKTG 294 SENIOR RESEARCH.

PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN THE JUNIOR YEAR OR CONSENT OF INSTRUCTOR. SENIOR STANDING.

2 TO 4 HOURS

47560	CONF	ARR					
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MKTG 295 SENIOR RESEARCH.

PREREQUISITE: CUMULATIVE GRADE POINT AVERAGE OF 4.0 OR HONORS IN THE JUNIOR YEAR. SENIOR STANDING.

2 TO 4 HOURS

47578	CONF	ARR					
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MARKETING MAJORS WILL NOT RECEIVE GRADUATE CREDIT FOR THESE COURSES

MKTG 320 MARKETING RESEARCH.

PREREQUISITE: MKTG. 201.

*NO GRADUATE CREDIT FOR MARKETING MAJORS.

*3 HOURS OR 1/2 UNIT

47586	LECT-DISC	A	8	M W F	236	COM W	
47594	LECT-DISC	C	10	M W F	166	COM W	

MKTG	337	ADVERTISING AND SALES MANAGEMENT.							
		PREREQUISITE: MKTG. 201.							
		*NO GRADUATE CREDIT FOR MARKETING MAJORS.							
		*3 HOURS OR 1/2 UNIT							
	47608	LECT-DISC C	10	M W F	243	COM W		MILLICAN	
MKTG	344	CONSUMER MARKET BEHAVIOR.							
		PREREQUISITE: MKTG. 201.							
		*NO GRADUATE CREDIT FOR MARKETING MAJORS.							
		*3 HOURS OR 1/2 UNIT							
	47616	LECT-DISC D	11	M W F	243	COM W		GARONER	
MKTG	352	PRICING POLICIES.							
		PREREQUISITE: MKTG. 201.							
		*NO GRADUATE CREDIT FOR MARKETING MAJORS.							
		*3 HOURS OR 1/2 UNIT							
	47624	LECT-DISC G	3	M W F	160	COM W		SEITZ	
MKTG	370	INTERNATIONAL MARKETING.							
		PREREQUISITE: MKTG. 201; CONSENT OF INSTRUCTOR.							
		*NO GRADUATE CREDIT FOR MARKETING MAJORS.							
		*3 HOURS OR 1/2 UNIT							
	47632	LECT-DISC E	1	M W F	243	COM W		SHETH	
MKTG	380	ADVANCED MARKETING MANAGEMENT.							
		PREREQUISITE: MKTG. 320 AND 337.							
		*NO GRADUATE CREDIT FOR MARKETING MAJORS.							
		*3 HOURS OR 1/2 UNIT							
	47641	LECT-DISC D	11	M W F	166	COM W		MILLICAN	

COURSES FOR GRADUATES

MKTG	402	DEVELOPMENT OF MARKETING THOUGHT.							
		PREREQUISITE: MKTG. 401.							
		1 UNIT							
	47659	LECT-DISC	10-12	TH	91	COM W		JONES	
MKTG	416	CONSUMER INFORMATION PROCESSING.							
		PREREQUISITE: MKTG. 415.							
		1 UNIT							
	47667	LECT-DISC	2-4	W	96	COM W		COHEN	
MKTG	422	MARKETING STRATEGY: DECISION MODELS.							
		PREREQUISITE: MKTG. 421.							
		1 UNIT							
	47675	LECT-DISC	1-3	TH	91	COM W		SIMON	
MKTG	472	MULTIVARIATE METHODS IN MARKETING.							
		PREREQUISITE: ECON. 470 OR EQUIVALENT.							
		1 UNIT							
	47683	LECT-DISC	3-5	M	91	COM W		SHETH	
MKTG	485	THE SAMPLING OF HUMAN POPULATIONS AND SOCIAL ORGANIZATIONS.							
		SAME AS PSYCH. AND SOC. 485.							
		PREREQUISITE: SOC. 387 OR ECON. 371, OR CONSENT OF INSTRUCTOR.							
		1 UNIT							
	47691	LECT-DISC	3-5	W	224	O K H			
MKTG	490	SEMINAR IN MARKETING.							
		1 UNIT							
	47705	DISC	ARR						
MKTG	493	RESEARCH IN SPECIAL FIELDS.							
		1/4 TO 2 UNITS							
	47713	CONF	ARR						
MKTG	499	THESIS RESEARCH.							
		0 TO 4 UNITS							
	47721	CONF	ARR						

MATHEMATICS

DEPARTMENT OFFICE

273 A H

MAJOR IN MATHEMATICS

MAJOR: TWENTY-FOUR HOURS OF MATHEMATICS COURSES, INCLUDING EIGHTEEN HOURS OF MATHEMATICS COURSES WITH NUMBERS GREATER THAN 290 AND TWELVE HOURS IN COURSES CHOSEN FROM MATHEMATICS 314, 317, 318, 327, 328, 332, 333, 342, 347, 348, 349, 353, 354, 361, 364, 366, 387, 392. FOR STUDENTS PREPARING FOR GRADUATE STUDY IN MATHEMATICS, THE FOLLOWING COURSES ARE RECOMMENDED: MATHEMATICS 317, 318, 332, 347, 348. STUDENTS IN SPECIAL CURRICULA AND THOSE WHO DO NOT INTEND TO PURSUE MATHEMATICS PROFESSIONALLY SHOULD CONSULT WITH THEIR ADVISORS.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ACCOUNTANCY, ASTRONOMY, CHEMISTRY, COMPUTER SCIENCE, ECONOMICS, FINANCE, PHILOSOPHY, PHYSICS, PSYCHOLOGY, STATISTICS (MATHEMATICS 161, 361, 362, 363, 364, 375), SURVEYING, THEORETICAL AND APPLIED MECHANICS. DEPARTMENTAL HONORS: ENTERING STUDENTS WITH SUPERIOR MATHEMATICAL ABILITY SHOULD APPLY TO THE DEPARTMENT OF MATHEMATICS, 273 ALTGELD HALL, FOR INFORMATION REGARDING THE HONORS COURSE, MATHEMATICS 149. INFORMATION REGARDING REQUIREMENTS FOR GRADUATION WITH DISTINCTION IN MATHEMATICS IS AVAILABLE FROM THE ADVISING OFFICE, 269 ALTGELD HALL.

NOTE: AN ENTERING STUDENT WITH AN ADEQUATE PREPARATION IN HIGH SCHOOL MATHEMATICS SHOULD ENROLL IN ANALYTIC GEOMETRY (MATH. 122 OR 123) DURING THE FIRST SEMESTER, AND IN CALCULUS (MATH. 132 OR 133) DURING THE SECOND SEMESTER OF HIS FRESHMAN YEAR. ADMISSION TO ANALYTIC GEOMETRY NORMALLY REQUIRES A PASSING GRADE ON THE MATHEMATICS PLACEMENT TEST. A STUDENT INELIGIBLE FOR ANALYTIC GEOMETRY SHOULD ENROLL IN ALGEBRA (MATH. 111 OR 112) AND TRIGONOMETRY (MATH. 114) DURING HIS FIRST SEMESTER.

STUDENTS IN SPECIAL CURRICULA AND THOSE WHO INTEND TO TERMINATE THEIR STUDY OF MATHEMATICS WITH THE BACHELOR'S DEGREE SHOULD CONSULT THEIR ADVISORS REGARDING OTHER SELECTIONS FROM THE ABOVE LIST OF REQUIRED COURSES THAT WOULD RELATE TO THEIR SPECIAL INTERESTS.

MAJOR IN STATISTICS

MAJOR: TWENTY-FOUR HOURS OF MATHEMATICS COURSES, INCLUDING EIGHTEEN HOURS OF MATHEMATICS COURSES WITH NUMBERS GREATER THAN 290 AND THE FOLLOWING SPECIFIC COURSES: 315 OR 318, 347, 363, 364.

MINORS: TWENTY HOURS IN ONE SUBJECT APPROVED BY THE DEPARTMENT OF MATHEMATICS. OF THESE TWENTY HOURS NOT MORE THAN NINE MAY BE IN STATISTICAL METHODS, AND MATH. 161 MAY BE TAKEN AS THREE OF THESE HOURS. THE COURSES NOT EMPHASIZING STATISTICAL METHODS SHOULD BE CHOSEN SO THAT COURSES ON THE 400 LEVEL CAN BE TAKEN IF THE STUDENT ENTERS THE GRADUATE COLLEGE.

MAJOR IN ACTUARIAL SCIENCE

MAJOR: ONE YEAR OF CALCULUS AND AT LEAST FIVE COURSES CHOSEN FROM THE FOLLOWING: COMPUTER SCIENCE 101, MATHEMATICS 311, 312, 362, 363, 371, 372.

MINORS: TWENTY HOURS CHOSEN FROM THE FOLLOWING: FINANCE 258, 259, 260, 262, 270, 360, 363, 370.

NOTE: STUDENTS ARE URGED TO ELECT ACCY. 201 AND I. ADM. 261 IN THEIR JUNIOR YEAR.

MAJOR IN MATHEMATICS AND COMPUTER SCIENCE

NOTE: THIS MAJOR IS OFFERED BY THE DEPARTMENT OF MATHEMATICS UNDER THE CURRICULUM IN SCIENCES AND LETTERS FOR STUDENTS OF MATHEMATICS WHO HAVE A SPECIAL INTEREST IN THE USE OF COMPUTERS.

MAJOR: MATH. 123, 132, 142 (OR 133, 143), 341, 342, 317, 318, 347, 348 (OR 361).

FIRST MINOR: C. S. 101, 201, 387, AND ONE OF 294, 301, OR 311.

SECOND MINOR: AT LEAST EIGHT HOURS IN A SUBJECT APPROVED BY THE DEPARTMENT.

NOTE: IT IS RECOMMENDED THAT THE ABOVE COURSES BE TAKEN IN THE FOLLOWING SEQUENCE:
 FRESHMAN YEAR: FIRST SEMESTER, MATH. 123; SECOND SEMESTER, MATH. 132 (OR MATH. 133).
 SOPHOMORE YEAR: FIRST SEMESTER, MATH. 142 (OR MATH. 143); SECOND SEMESTER, C. S. 101, MATH. 341.
 JUNIOR YEAR: FIRST SEMESTER, MATH. 317, 342; SECOND SEMESTER, C. S. 201 OR 301, MATH. 318.
 SENIOR YEAR: FIRST SEMESTER, MATH. 347, ONE OF C. S. 294, 201, 301, 311; SECOND SEMESTER, C. S. 387, MATH. 348 OR 361.

COURSES FOR UNDERGRADUATES

MATH 101 BASIC MATHEMATICS. 4 HOURS

47730	LECT-DISC	C1	10	MTUWTHF	159	D H
47748	LECT-DISC	X1	12	MTUWTHF	102	A H
47756	LECT-DISC	F1	2	MTUWTHF	204	H H
47764	LECT-DISC	G1	3	MTUWTHF	443	A H
47772	LECT-DISC	H1	4	MTUWTHF	147	A H

MATH 104 ELEMENTS OF ALGEBRA AND TRIGONOMETRY.

FOR PREMEDICAL STUDENTS AND STUDENTS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF BIOLOGY WHO HAVE ENTERED WITH ONLY ONE UNIT OF HIGH SCHOOL ALGEBRA AND WHO NEED CREDIT IN TRIGONOMETRY AS A PREREQUISITE TO PHYSICS. DOES NOT SERVE AS A PREREQUISITE FOR MATH. 122 OR 123. SUCH STUDENTS WHO ENTER WITH ONE AND ONE-HALF UNITS OF ALGEBRA MUST TAKE MATH. 114.

PREREQUISITE: HIGH SCHOOL ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT.
3 HOURS

47781	LECT-DISC	A1	8	M W F	145	A H
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MATH 111 ALGEBRA.

PREREQUISITE: ENTRANCE ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT. STUDENTS HAVING 1-1/2 OR MORE UNITS OF HIGH SCHOOL ALGEBRA MAY NOT TAKE THIS COURSE UNLESS THEY HAVE THE APPROVAL OF THEIR COLLEGE OFFICE.

*CREDIT IS NOT GIVEN FOR BOTH MATH. 111 AND 112.

*5 HOURS

47799	LECT-DISC	A1	8	MTUWTHF	159	D H
47802	LECT-DISC	A2	8	MTUWTHF	441	A H
47811	LECT-DISC	B1	9	MTUWTHF	159	D H
47829	LECT-DISC	B2	9	MTUWTHF	204	H H
47837	LECT-DISC	C1	10	MTUWTHF	56	M E B
47845	LECT-DISC	C2	10	MTUWTHF	204	H H
47853	LECT-DISC	D1	11	MTUWTHF	159	D H
47861	LECT-DISC	X1	12	MTUWTHF	108	A H
47870	LECT-DISC	E1	1	MTUWTHF	159	D H
47888	LECT-DISC	F1	2	MTUWTHF	159	D H
47896	LECT-DISC	G1	3	MTUWTHF	159	D H

MATH	112	COLLEGE ALGEBRA.						
		PREREQUISITE: ENTRANCE ALGEBRA, 1-1/2 UNITS, PLANE GEOMETRY, 1 UNIT.						
		*CREDIT IS NOT GIVEN FOR BOTH MATH. 111 AND 112.						
		*3 HOURS						
	47900	LECT-DISC	A1	8	M W F	321	A H	
	47918	LECT-DISC	B1	9	M W F	313	D H	
	47926	LECT-DISC	O1	11	M W F	313	D H	
	47934	LECT-DISC	X1	12	M W F	321	A H	
	47942	LECT-DISC	F1	2	M W F	313	D H	
	47951	LECT-DISC	G1	3	M W F	313	D H	
MATH	114	PLANE TRIGONOMETRY.						
		PREREQUISITE: ENTRANCE ALGEBRA, 1-1/2 UNITS, OR REGISTRATION IN MATH. 111, PLANE GEOMETRY, 1 UNIT.						
		2 HOURS						
	47969	LECT-DISC	L1	8	TU TH	102	A H	
	47977	LECT-DISC	M1	9	TU TH	102	A H	
	47985	LECT-DISC	M2	9	TU TH	108	A H	
	47993	LECT-DISC	N1	10	TU TH	102	A H	
	48000	LECT-DISC	N2	10	TU TH	108	A H	
	48018	LECT-DISC	P1	11	TU TH	102	A H	
	48026	LECT-DISC	P2	11	TU TH	108	A H	
	48034	LECT-DISC	R1	1	TU TH	102	A H	
	48042	LECT-DISC	R2	1	TU TH	108	A H	
	48051	LECT-DISC	S1	2	TU TH	102	A H	
	48069	LECT-DISC	S2	2	TU TH	108	A H	
	48077	LECT-DISC	T1	3	TU TH	102	A H	
MATH	118	INTRODUCTION TO MATHEMATICS, I.						
		PREREQUISITE: ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT, OR EQUIVALENT.						
		*MATHEMATICS 118 INVOLVES DUPLICATION OF CREDIT WITH MATH. 104, 111, 112, AND 114.						
		*4 HOURS						
	48085	LECT-DISC	A1	8	MTUWTH	347	A H	
	48093	LECT-DISC	E1	1	MTUWTH	204	H H	
	48107	LECT-DISC	G1	3	MTUWTH	149	ADMIN	
MATH	119	INTRODUCTION TO MATHEMATICS, II.						
		PREREQUISITE: MATH. 118.						
		4 HOURS						
	48115	LECT-DISC	A1	8	MTUWTH	143	ADMIN	
	48166	LECT-DISC	B1	9	MTUWTH	110	L H	
	48123	LECT-DISC	E1	1	MTUWTH	205	H H	
	48131	LECT-DISC	E2	1	MTUWTH	347	A H	
	48140	LECT-DISC	G1	3	MTUWTH	307	G H	
	48158	LECT-DISC	H1	4	MTUWTH	155	A H	
MATH	120	CALCULUS AND ANALYTIC GEOMETRY.						
		PREREQUISITE: MATH. 111 OR 112, AND MATH. 114, OR ADEQUATE PLACEMENT TEST SCORE.						
		5 HOURS						
	48174	LECT-DISC	A1	8	MTUWTHF	56	M E B	
	48182	LECT-DISC	A2	8	MTUWTHF	443	A H	
	48191	LECT-DISC	A3	8	MTUWTHF	147	A H	
	48204	LECT-DISC	B1	9	MTUWTHF	256	M E B	
	48212	LECT-DISC	B2	9	MTUWTHF	56	M E B	
	48221	LECT-DISC	C1	10	MTUWTHF	110	L H	
	48239	LECT-DISC	C2	10	MTUWTHF	205	H H	
	48247	LECT-DISC	D1	11	MTUWTHF	441	A H	
	48255	LECT-DISC	D2	11	MTUWTHF	204	H H	
	48263	LECT-DISC	X1	12	MTUWTHF	110	A H	
	48271	LECT-DISC	X2	12	MTUWTHF	145	A H	
	48280	LECT-DISC	X3	12	MTUWTHF	147	A H	
	48298	LECT-DISC	E1	1	MTUWTHF	441	A H	
	48301	LECT-DISC	E2	1	MTUWTHF	168	E E B	
	48310	LECT-DISC	F1	2	MTUWTHF	205	H H	
	48328	LECT-DISC	F2	2	MTUWTHF	56	M E B	
	48336	LECT-DISC	G1	3	MTUWTHF	204	H H	
	48344	LECT-DISC	G2	3	MTUWTHF	152	ADMIN	
	48352	LECT-DISC	H1	4	MTUWTHF	159	A H	
	48361	LECT-DISC	H2	4	MTUWTHF	165	A H	

WEICHSSEL

MATH 124 INTRODUCTORY ANALYSIS FOR SOCIAL SCIENTISTS, I.

PREREQUISITE: MATH. 111 OR 112.

3 HOURS

48379	LECT-DISC	A1	8	M W F	106	D K H
48387	LECT-DISC	B1	9	M W F	106	D K H
48395	LECT-DISC	B2	9	M W F	317	G H
48409	LECT-DISC	C1	10	M W F	106	D K H
48417	LECT-DISC	C2	10	M W F	317	G H
48425	LECT-DISC	D1	11	M W F	106	D K H
48433	LECT-DISC	X1	12	M W F	341	A H
48441	LECT-DISC	E1	1	M W F	106	D K H
48450	LECT-DISC	F1	2	M W F	106	D K H
48468	LECT-DISC	G1	3	M W F	106	D K H
48476	LECT-DISC	H1	4	M W F	345	A H

MATH 132 CALCULUS, I.

PREREQUISITE: MATH. 122 OR 123.

5 HOURS

*SECTIONS 6A1 AND 6D1 ARE HONORS SECTIONS. ADMISSION
REQUIRES CONCURRENT REGISTRATION IN MATH. 149 SECTION 6Q.

48883	LECT-DISC	*6A1	8	MTUWTHF	259	A H	WEINBERG
48484	LECT-DISC	A2	8	MTUWTHF	155	A H	
48492	LECT-DISC	A3	8	MTUWTHF	60	M E B	
48506	LECT-DISC	A4	8	MTUWTHF	149	ADMIN	
48514	LECT-DISC	A5	8	MTUWTHF	163	E E B	
48522	LECT-DISC	A6	8	MTUWTHF	445	A H	
48531	LECT-DISC	B1	9	MTUWTHF	205	H H	
48549	LECT-DISC	B2	9	MTUWTHF	165	A H	
48557	LECT-DISC	B3	9	MTUWTHF	184	L H	
48565	LECT-DISC	B4	9	MTUWTHF	202	T B	
48573	LECT-DISC	B5	9	MTUWTHF	60	M E B	L. LEVY
48581	LECT-DISC	B6	9	MTUWTHF	138	M E B	
48590	LECT-DISC	C1	10	MTUWTHF	184	L H	
48603	LECT-DISC	C2	10	MTUWTHF	168	E E B	
48611	LECT-DISC	C3	10	MTUWTHF	169	A H	
48620	LECT-DISC	C4	10	MTUWTHF	202	T B	
48638	LECT-DISC	C5	10	MTUWTHF	60	M E B	
48691	LECT-DISC	*6D1	11	MTUWTHF	443	A H	
48646	LECT-DISC	D2	11	MTUWTHF	205	H H	
48654	LECT-DISC	D3	11	MTUWTHF	168	E E B	
48662	LECT-DISC	D4	11	MTUWTHF	56	M E B	
48671	LECT-DISC	D5	11	MTUWTHF	60	M E B	
48689	LECT-DISC	X1	12	MTUWTHF	155	A H	
48697	LECT-DISC	X2	12	MTUWTHF	159	A H	
48701	LECT-DISC	X3	12	MTUWTHF	343	A H	
48719	LECT-DISC	X4	12	MTUWTHF	345	A H	
48727	LECT-DISC	X5	12	MTUWTHF	347	A H	
48735	LECT-DISC	E1	1	MTUWTHF	445	A H	
48743	LECT-DISC	E2	1	MTUWTHF	447	A H	
48751	LECT-DISC	E3	1	MTUWTHF	245	E E B	
48760	LECT-DISC	E4	1	MTUWTHF	307	G H	
48778	LECT-DISC	E5	1	MTUWTHF	149	ADMIN	
48786	LECT-DISC	F1	2	MTUWTHF	184	L H	
48794	LECT-DISC	F2	2	MTUWTHF	60	M E B	
48808	LECT-DISC	F3	2	MTUWTHF	165	A H	
48816	LECT-DISC	F4	2	MTUWTHF	168	E E B	
48824	LECT-DISC	G1	3	MTUWTHF	165	A H	
48832	LECT-DISC	G2	3	MTUWTHF	110	L H	
48841	LECT-DISC	G3	3	MTUWTHF	156	ADMIN	
48859	LECT-DISC	H1	4	MTUWTHF	347	A H	
48867	LECT-DISC	H2	4	MTUWTHF	441	A H	
48875	LECT-DISC	H3	4	MTUWTHF	443	A H	

MATH 133 CALCULUS, I.

PREREQUISITE: MATH. 122 OR 123.

3 HOURS

6E1 IS AN HONORS SECTION AND REQUIRES CONCURRENT REGISTRATION IN
MATH. 149 6R.

48905	LECT-DISC	A1	8	M W F	152	ADMIN
48913	LECT-DISC	A2	8	M W F	238	ADMIN
48921	LECT-DISC	A3	8	M W F	447	A H
48930	LECT-DISC	A4	8	M W F	307	G H
48948	LECT-DISC	A5	8	M W F	159	A H
48956	LECT-DISC	B1	9	M W F	169	A H
48964	LECT-DISC	B2	9	M W F	153A	M E B
48972	LECT-DISC	B3	9	M W F	260	M E B
48981	LECT-DISC	C1	10	M W F	313	D H
48999	LECT-DISC	C2	10	M W F	138	M E B
49005	LECT-DISC	C3	10	M W F	260	M E B

MATH	133	CONTINUED					
	49013	LECT-DISC	D1	11	M W F	445	A H
	49021	LECT-DISC	D2	11	M W F	184	L H
	49030	LECT-DISC	D3	11	M W F	245	E E B
	49048	LECT-DISC	D4	11	M W F	317	G H
	49056	LECT-DISC	D5	11	M W F	138	M E B
	49064	LECT-DISC	X1	12	M W F	441	A H
	49072	LECT-DISC	X2	12	M W F	443	A H
	49081	LECT-DISC	X3	12	M W F	165	A H
	49099	LECT-DISC	X4	12	M W F	169	A H
	49242	LECT-DISC	*E1	1	M W F	169	A H
	49102	LECT-DISC	E2	1	M W F	313	D H
	49111	LECT-DISC	E3	1	M W F	56	M E B
	49129	LECT-DISC	E4	1	M W F	152	ADMIN
	49137	LECT-DISC	F1	2	M W F	169	A H
	49145	LECT-DISC	F2	2	M W F	173	A H
	49153	LECT-DISC	F3	2	M W F	245	E E B
	49161	LECT-DISC	F4	2	M W F	138	M E B
	49170	LECT-DISC	G1	3	M W F	169	A H
	49188	LECT-DISC	G2	3	M W F	445	A H
	49196	LECT-DISC	G3	3	M W F	447	A H
	49200	LECT-DISC	G4	3	M W F	163	E E B
	49218	LECT-DISC	H1	4	M W F	169	A H
	49226	LECT-DISC	H2	4	M W F	173	A H
	49234	LECT-DISC	H3	4	M W F	445	A H

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MATH 134 INTRODUCTORY ANALYSIS FOR SOCIAL SCIENTISTS, II.

PREREQUISITE: MATH. 124.

4 HOURS

49251	LECT-DISC	A1	8	MTUWTH	205	G H
49269	LECT-DISC	A2	8	MTUWTH	317	G H
49277	LECT-DISC	A3	8	MTUWTH	165	A H
49285	LECT-DISC	B1	9	MTUWTH	205	G H
49293	LECT-DISC	B2	9	MTUWTH	307	G H
49307	LECT-DISC	C1	10	MTUWTH	205	G H
49315	LECT-DISC	C2	10	MTUWTH	307	G H
49323	LECT-DISC	D1	11	MTUWTH	205	G H
49331	LECT-DISC	D2	11	MTUWTH	307	G H
49340	LECT-DISC	X1	12	MTUWTH	173	A H
49358	LECT-DISC	E1	1	MTUWTH	205	G H
49366	LECT-DISC	F1	2	MTUWTH	205	G H
49374	LECT-DISC	F2	2	MTUWTH	307	G H
49382	LECT-DISC	G1	3	MTUWTH	205	G H
49391	LECT-DISC	H1	4	MTUWTH	143	ADMIN

MATH 142 CALCULUS, II.

PREREQUISITE: MATH. 132.

3 HOURS

*SECTION 8D1 IS AN HONORS SECTION REQUIRING CONCURRENT REGISTRATION IN MATH. 149 SECTION 8S.

49404	LECT-DISC	A1	8	M W F	156	ADMIN
49412	LECT-DISC	A2	8	M W F	345	A H
49421	LECT-DISC	A3	8	M W F	169	A H
49439	LECT-DISC	B1	9	M W F	173	A H
49447	LECT-DISC	B2	9	M W F	153B	M E B
49455	LECT-DISC	C1	10	M W F	245	E E B
49463	LECT-DISC	C2	10	M W F	153A	M E B
49561	LECT-DISC	*8D1	11	M W F	447	A H
49471	LECT-DISC	D2	11	M W F	153A	M E B
49480	LECT-DISC	X1	12	M W F	445	A H
49498	LECT-DISC	X2	12	M W F	143	ADMIN
49501	LECT-DISC	E1	1	M W F	173	A H
49510	LECT-DISC	E2	1	M W F	60	M E B
49528	LECT-DISC	F1	2	M W F	447	A H
49536	LECT-DISC	F2	2	M W F	153A	M E B
49544	LECT-DISC	G1	3	M W F	173	A H
49552	LECT-DISC	H1	4	M W F	447	A H

F. BATEMAN

MATH 143 CALCULUS, II.

PREREQUISITE: MATH. 133.

5 HOURS

49579	LECT-DISC	A1	8	MTUWTHF	173	A H
49641	LECT-DISC	B1	9	MTUWTHF	447	A H
49587	LECT-DISC	C1	10	MTUWTHF	153B	M E B
49595	LECT-DISC	D1	11	MTUWTHF	238	ADMIN
49609	LECT-DISC	X1	12	MTUWTHF	447	A H
49617	LECT-DISC	E1	1	MTUWTHF	443	A H
49625	LECT-DISC	F1	2	MTUWTHF	238	ADMIN
49633	LECT-DISC	G1	3	MTUWTHF	184	L H

MATH 149 HONORS COURSE IN MATHEMATICS.
 ENROLLMENT LIMITED TO STUDENTS WITH SUPERIOR MATHEMATICAL TALENTS.
 PREREQUISITE: CONCURRENT REGISTRATION IN THE COURSE AND SECTION
 INDICATED BELOW, AND CONSENT OF DEPARTMENT.
 1 HOUR
 *SECTION 6Q REQUIRES CONCURRENT REGISTRATION IN MATH. 132 6A1
 OR 6D1.
 *SECTION 6R REQUIRES CONCURRENT REGISTRATION IN MATH. 133 6E1.
 *SECTION 6S REQUIRES CONCURRENT REGISTRATION IN MATH. 148 6D1.
 49650 LECT-DISC *6Q ARR
 49668 LECT-DISC *6R ARR
 49676 LECT-DISC *6S ARR

MATH 161 STATISTICS.
 PREREQUISITE: MATH. 111 OR 112, SOPHOMORE STANDING.
 *CREDIT IS NOT GIVEN FOR MATH. 161 IN ADDITION TO ECON. 171
 OR PSYCH. 135.
 *3 HOURS
 STUDENTS WHO HAVE COMPLETED A YEAR OF CALCULUS SHOULD ENROLL IN
 MATH 363 INSTEAD OF MATH 161.
 49684 LECT-DISC C1 10 M W F 173 A H WIJSMAN

MATH 198 FRESHMAN SEMINAR.
 PREREQUISITE: ENROLLMENT IN THE MATHEMATICS HONORS PROGRAM AND
 CONSENT OF DEPARTMENT.
 3 HOURS
 49692 LECT-DISC C1 10 M W F 165 A H APPEL

COURSES FOR ADVANCED UNDERGRADUATES

MATH 202 MATHEMATICS FOR ELEMENTARY TEACHERS, I.
 PREREQUISITE: JUNIOR STANDING IN ELEMENTARY EDUCATION.
 *NO CREDIT FOR L. A. AND S. STUDENTS.
 *5 HOURS
 49706 LECT-DISC E1 1 MTUWTHF 110 L H P PARR
 49714 LECT-DISC F1 2 MTUWTHF 110 L H PHILLIPS

MATH 203 MATHEMATICS FOR ELEMENTARY TEACHERS, II.
 PREREQUISITE: MATH. 202 OR CONSENT OF INSTRUCTOR.
 *NO CREDIT FOR L. A. AND S. STUDENTS.
 *3 HOURS
 49722 LECT-DISC E1 1 M W F 184 L H PHILLIPS
 49731 LECT-DISC E2 1 M W F 317 G H F. DAY
 49749 LECT-DISC F1 2 M W F 317 G H F. DAY
 49757 LECT-DISC H1 4 M W F 102 A H T. ROBINSON

MATH 249 HONORS COURSE IN MATHEMATICS.
 PREREQUISITE: CONCURRENT REGISTRATION IN DESIGNATED HONORS SECTIONS
 OF CERTAIN ADVANCED UNDERGRADUATE MATHEMATICS COURSES.
 1 HOUR
 *SECTION 6P REQUIRES CONCURRENT REGISTRATION IN MATH. 347 6D1.
 *SECTION 6Q REQUIRES CONCURRENT REGISTRATION IN MATH. 349 6E1.
 49765 LECT-DISC *6P ARR
 49773 LECT-DISC *6Q ARR

MATH 263 STATISTICS IN ENGINEERING AND THE PHYSICAL SCIENCES.
 PREREQUISITE: ONE YEAR OF CALCULUS.
 3 HOURS
 49781 LECT-DISC B1 9 M W F 445 A H BLYTH
 49790 LECT-DISC C1 10 M W F 43 E E B JOGEOED
 49803 LECT-DISC F1 2 M W F 147 A H
 49811 LECT-DISC G1 3 M W F 343 A H

MATH 287 INTRODUCTION TO NUMERICAL ANALYSIS.
 SAME AS C. S. 287.
 PREREQUISITE: C. S. 101 OR 121, ONE YEAR OF CALCULUS, CONSENT OF
 INSTRUCTOR.
 3 HOURS
 49820 LECT-DISC C1 10 M W F 314 A H GILLIES

MATH 292 THESIS AND READING COURSE.
PREREQUISITE: MATH. 347 WITH GRADE OF B OR BETTER, OR CONSENT OF
MATHEMATICS HONORS COMMITTEE.
2 HOURS
49838 CONF ARR

MATH 299 INTERMEDIATE SEMINAR.
PREREQUISITE: ENROLLMENT IN MATHEMATICS HONORS PROGRAM
AND CONSENT OF THE DEPARTMENT.
3 HOURS
49846 LECT-DISC C1 10 M W F 259 A H FINNEY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MATH 300 THE THEORY OF SETS AND THE REAL NUMBER SYSTEM.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT
49854 LECT-DISC C1 10 M W F 341 A H BOONE
49862 LECT-DISC G1 3 M W F 108 A H FRASCELLA

MATH 301 FUNDAMENTAL CONCEPTS OF ALGEBRA.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT
*SECTION F1 CONSIDERS BOOLEAN ALGEBRA.
*SECTION S1 CONSIDERS COMBINATORIAL MATHEMATICS.
49889 LECT-DISC *F1 2 M W F 341 A H TAKEUTI
49897 LECT-DISC *S1 2-330 TU TH 110 A H BROWN

MATH 302 TOPICS IN GEOMETRY.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT
49901 LECT-DISC A1 8 M W F 247 A H
49919 LECT-DISC C1 10 M W F 343 A H

MATH 303 ADVANCED ASPECTS OF EUCLIDEAN GEOMETRY.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT
49927 LECT-DISC B1 9 M W F 110 A H
49935 LECT-DISC D1 11 M W F 321 A H

MATH 305 TEACHERS COURSE.
MEETS FIRST SIX WEEKS AND LAST FOUR WEEKS OF SEMESTER.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
49943 LECT-DISC D1 11 MTWTHF 110 L H PERESSINI

MATH 306 SELECTED MATHEMATICAL TOPICS FOR SECONDARY SCHOOL TEACHERS, I.
PREREQUISITE: ONE YEAR OF SECONDARY SCHOOL TEACHING IN MATHEMATICS
OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
49960 LECT-DISC D1 11 M W F 156 ADMIN VAUGHAN

MATH 307 SELECTED MATHEMATICAL TOPICS FOR SECONDARY SCHOOL
TEACHERS, II.
PREREQUISITE: ONE YEAR OF SECONDARY SCHOOL TEACHING IN MATHEMATICS
OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
49978 LECT-DISC K1 730-9PM TU TH 241 A H

MATH 312 ADVANCED ALGEBRA.
PREREQUISITE: ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1 UNIT
49986 LECT-DISC B1 9 M W F 145 A H FERGUSON

MATH 314 INTRODUCTION TO SET THEORY AND MATHEMATICAL LOGIC.
PREREQUISITE: ONE YEAR OF CALCULUS.
3 HOURS OR 1 UNIT
49994 LECT-DISC G1 3 M W F 110 A H JOCKUSCH

MATH 315 LINEAR TRANSFORMATIONS AND MATRICES.
PREREQUISITE: ONE YEAR OF CALCULUS.

3 HOURS OR 1 UNIT

*SECTION A2 IS FOR STUDENTS WHO HAVE COMPLETED MATH. 134.

50002	LECT-DISC	A1	8	M W F	257	A H
50053	LECT-DISC	*A2	8	M W F	102	A H
50011	LECT-DISC	C1	10	M W F	345	A H
50029	LECT-DISC	C2	10	M W F	143	ADMIN
50037	LECT-DISC	F1	2	M W F	343	A H
50045	LECT-DISC	G1	3	M W F	238	ADMIN

WETZEL

MATH 317 INTRODUCTION TO HIGHER ALGEBRA, I.
PREREQUISITE: ONE YEAR OF CALCULUS.

3 HOURS OR 1 UNIT

50061	LECT-DISC	B1	9	M W F	343	A H
50070	LECT-DISC	M1	9-1030	TU TH	321	A H
50088	LECT-DISC	C1	10	M W F	243	A H
50096	LECT-DISC	O1	11	M W F	343	A H
50100	LECT-DISC	E1	1	M W F	321	A H
50118	LECT-DISC	G1	3	M W F	145	A H

AGGARWAL

F BATEMAN

MATH 318 INTRODUCTION TO HIGHER ALGEBRA, II.
PREREQUISITE: MATH. 317.

3 HOURS OR 1 UNIT

50126	LECT-DISC	B1	9	M W F	345	A H
50134	LECT-DISC	N1	1030-12	TU TH	445	A H
50142	LECT-DISC	F1	2	M W F	145	A H
50151	LECT-DISC	G1	3	M W F	345	A H
50169	LECT-DISC	H1	4	M W F	108	A H

IRMA REINER
FAVOREE

MATH 327 INTRODUCTION TO HIGHER GEOMETRY, I.
PREREQUISITE: ONE YEAR OF CALCULUS.

3 HOURS OR 1 UNIT

*SECTION B1 CONSIDERS DIFFERENTIAL GEOMETRY WITH MATH. 343 ASSUMED.

50177	LECT-DISC	*B1	9	M W F	149	ADMIN
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JERRARD

MATH 328 INTRODUCTION TO HIGHER GEOMETRY, II.
PREREQUISITE: MATH. 327.

3 HOURS OR 1 UNIT

STUDENTS ENROLLING IN MATH. 328 SHOULD ENROLL AT THE SAME HOUR AS THEY WERE ENROLLED IN MATH. 327.

50185	LECT-DISC	C1	10	M W F	347	A H
50193	LECT-DISC	G1	3	M W F	147	A H

BISHOP, GRAY

MATH 332 INTRODUCTION TO SET THEORY AND TOPOLOGY.
PREREQUISITE: CREDIT OR REGISTRATION IN MATH. 347.

3 HOURS OR 1 UNIT

50207	LECT-DISC	D1	11	M W F	155	A H
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ARMSTRONG

MATH 341 DIFFERENTIAL EQUATIONS, I.
PREREQUISITE: ONE YEAR OF CALCULUS.

3 HOURS OR 1 UNIT

50215	LECT-DISC	F1	2	M W F	143	ADMIN
50223	LECT-DISC	F2	2	M W F	345	A H
50231	LECT-DISC	G1	3	M W F	155	A H
50240	LECT-DISC	G2	3	M W F	347	A H
50258	LECT-DISC	H1	4	M W F	110	A H

MATH 342 DIFFERENTIAL EQUATIONS, II.
PREREQUISITE: MATH. 341.

3 HOURS OR 1 UNIT

50266	LECT-DISC	C1	10	M W F	147	A H
50274	LECT-DISC	F1	2	M W F	347	A H
50282	LECT-DISC	M1	9-1030	TU TH	441	A H

KNIGHT
BERNDT

MATH 343 ADVANCED CALCULUS.
 PREREQUISITE: ONE YEAR OF CALCULUS.
 3 HOURS OR 1 UNIT
 *SECTION F1 IS RESTRICTED TO STUDENTS IN THE TEACHER TRAINING CURRICULUM IN MATHEMATICS.

50291	LECT-DISC	A1	8	M	W	F	341	A	H
50304	LECT-DISC	A2	8	M	W	F	108	A	H
50312	LECT-DISC	B1	9	M	W	F	321	A	H
50321	LECT-DISC	B2	9	M	W	F	147	A	H
50339	LECT-DISC	C1	10	M	W	F	149	ADMIN	
50347	LECT-DISC	C2	10	M	W	F	441	A	H
50355	LECT-DISC	D1	11	M	W	F	159	A	H
50363	LECT-DISC	D2	11	M	W	F	345	A	H
50371	LECT-DISC	X1	12	M	W	F	245	A	H
50380	LECT-DISC	E1	1	M	W	F	145	A	H
50398	LECT-DISC	E2	1	M	W	F	341	A	H
50436	LECT-DISC	*F1	2	M	W	F	155	A	H
50401	LECT-DISC	F2	2	M	W	F	149	ADMIN	
50410	LECT-DISC	G1	3	M	W	F	441	A	H
50428	LECT-DISC	H1	4	M	W	F	321	A	H

PERESSINI

MATH 345 DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS.
 PREREQUISITE: ONE YEAR OF CALCULUS.
 *CREDIT IS NOT GIVEN FOR BOTH MATH. 345 AND MATH. 349.
 *3 HOURS OR 1 UNIT

50444	LECT-DISC	A1	8	M	W	F	110	A	H
50452	LECT-DISC	A2	8	M	W	F	43	E	E B
50461	LECT-DISC	A3	8	M	W	F	343	A	H
50479	LECT-DISC	B1	9	M	W	F	43	E	E B
50487	LECT-DISC	B2	9	M	W	F	155	A	H
50495	LECT-DISC	B3	9	M	W	F	347	A	H
50509	LECT-DISC	M1	9-1030	TU	TH		143	ADMIN	
50517	LECT-DISC	C1	10	M	W	F	163	E	E B
50525	LECT-DISC	C2	10	M	W	F	443	A	H
50533	LECT-DISC	C3	10	M	W	F	155	A	H
50541	LECT-DISC	N1	1030-12	TU	TH		165	A	H
50550	LECT-DISC	D1	11	M	W	F	43	E	E B
50568	LECT-DISC	D2	11	M	W	F	149	ADMIN	
50576	LECT-DISC	D3	11	M	W	F	347	A	H
50584	LECT-DISC	X1	12	M	W	F	247	A	H
50592	LECT-DISC	X2	12	M	W	F	257	A	H
50606	LECT-DISC	E1	1	M	W	F	147	A	H
50614	LECT-DISC	E2	1	M	W	F	43	E	E B
50622	LECT-DISC	E3	1	M	W	F	256	M	E B
50631	LECT-DISC	F1	2	M	W	F	43	E	E B
50649	LECT-DISC	F2	2	M	W	F	163	E	E B
50657	LECT-DISC	F3	2	M	W	F	441	A	H
50665	LECT-DISC	S1	2-330	TU	TH		145	A	H
50673	LECT-DISC	G1	3	M	W	F	43	E	E B
50681	LECT-DISC	G2	3	M	W	F	159	A	H
50690	LECT-DISC	H1	4	M	W	F	341	A	H

FAUDREE

MATH 346 COMPLEX VARIABLES AND APPLICATIONS.
 PREREQUISITE: MATH. 343 OR CONSENT OF INSTRUCTOR.
 *CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND MATH. 348.
 *3 HOURS OR 1 UNIT

50703	LECT-DISC	C1	10	M	W	F	152	ADMIN	
50711	LECT-DISC	D1	11	M	W	F	165	A	H
50720	LECT-DISC	E1	1	M	W	F	343	A	H
50738	LECT-DISC	F1	2	M	W	F	443	A	H

MATH 347 INTRODUCTION TO HIGHER ANALYSIS--REAL VARIABLES.
 PREREQUISITE: MATH. 343 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 *SECTION 6D1 IS AN HONORS SECTION REQUIRING CONCURRENT REGISTRATION IN MATH. 249 SECTION 6P.

50746	LECT-DISC	B1	9	M	W	F	152	ADMIN	
50754	LECT-DISC	C1	10	M	W	F	445	A	H
50789	LECT-DISC	*6D1	11	M	W	F	169	A	H
50762	LECT-DISC	F1	2	M	W	F	445	A	H
50771	LECT-DISC	G1	3	M	W	F	143	ADMIN	

OSGOOD
 H. LEVY
 UHL
 KAMBER

MATH 348 INTRODUCTION TO HIGHER ANALYSIS--COMPLEX VARIABLES.
 PREREQUISITE: MATH. 347.
 *CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND 348.
 *3 HOURS OR 1 UNIT

50797	LECT-DISC	C1	10	M	W	F	156	ADMIN	
50801	LECT-DISC	F1	2	M	W	F	152	ADMIN	
50819	LECT-DISC	H1	4	M	W	F	343	A	H

TONDEUR
 MILES

MATH	349	DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS. PREREQUISITE: COMPLETION OF MATH. 347 WITH A GRADE OF B OR HIGHER, AND, FOR UNDERGRADUATES, CONCURRENT REGISTRATION IN MATH. 249. *CREDIT IS NOT GIVEN FOR BOTH MATH. 349 AND MATH. 345. *3 HOURS OR 1 UNIT SECTION 6E1 IS AN HONORS SECTION AND REQUIRES CONCURRENT REGISTRATION IN MATH. 249 & Q.										
	50827	LECT-DISC	6E1	1	M	W	F	155	A	H	JERRARD	
MATH	351	TOPICS IN APPLIED MATHEMATICS. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT *SECTION N1 CONSIDERS DYNAMIC PROGRAMMING.										
	86730	LECT-DISC	*N1	1030-12	TU	TH		447	A	H	BROWN	
MATH	353	ELEMENTARY THEORY OF NUMBERS, I. PREREQUISITE: ONE YEAR OF CALCULUS. 3 HOURS OR 1 UNIT										
	50835	LECT-DISC	B1	9	M	W	F	441	A	H	DENNIN	
	50843	LECT-DISC	E1	1	M	W	F	159	A	H	WOHLFAHRT	
MATH	354	ELEMENTARY THEORY OF NUMBERS, II. PREREQUISITE: MATH. 317 OR 353. 3 HOURS OR 1 UNIT										
	50851	LECT-DISC	C1	10	M	W	F	447	A	H	DIAMOND	
	50860	LECT-DISC	E1	1	M	W	F	165	A	H		
MATH	357	MATHEMATICAL MODELS IN THE SOCIAL SCIENCES. PREREQUISITE: MATH. 134 OR EQUIVALENT. 3 HOURS OR 1 UNIT										
	50878	LECT-DISC	O1	11	M	W	F	152	ADMIN		WITZ	
MATH	361	THEORY OF PROBABILITY, I. PREREQUISITE: ONE YEAR OF CALCULUS. 3 HOURS OR 1 UNIT										
	50886	LECT-DISC	B1	9	M	W	F	163	E	E	B	
	50894	LECT-DISC	E1	1	M	W	F	163	E	E	B	
	50908	LECT-DISC	E2	1	M	W	F	345	A	H		
	50916	LECT-DISC	H1	4	M	W	F	145	A	H		
MATH	363	ADVANCED STATISTICS, I. PREREQUISITE: ONE YEAR OF CALCULUS. 3 HOURS OR 1 UNIT										
	50924	LECT-DISC	B1	9	M	W	F	168	E	E	B	
	50932	LECT-DISC	F1	2	M	W	F	159	A	H	STOUT BLYTH	
MATH	364	ADVANCED STATISTICS, II. PREREQUISITE: MATH. 363. 3 HOURS OR 1 UNIT										
	50941	LECT-DISC	B1	9	M	W	F	159	A	H	JOGDED	
MATH	365	ANALYSIS OF VARIANCE. PREREQUISITE: CREDIT OR CONCURRENT REGISTRATION IN MATH. 364 AND 315. 3 HOURS OR 1 UNIT										
	50959	LECT-DISC	C1	10	M	W	F	159	A	H	BOHRER	
MATH	366	THEORY OF PROBABILITY. PREREQUISITE: MATH. 361 OR 363. 3 HOURS OR 1 UNIT										
	50967	LECT-DISC	G1	3	M	W	F	247	A	H	PHILIPP	
MATH	372	ACTUARIAL THEORY, II. PREREQUISITE: MATH. 371. 3 HOURS OR 1 UNIT										
	50975	LECT-DISC	F1	2	M	W	F	156	ADMIN		PETERS	
MATH	381	VECTOR AND TENSOR ANALYSIS. PREREQUISITE: MATH. 343 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT										
	50983	LECT-DISC	O1	11	M	W	F	173	A	H		
MATH	382	VECTOR, TENSOR, AND MATRIX METHODS IN APPLIED MATHEMATICS. PREREQUISITE: MATH. 381 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT										
	50991	LECT-DISC	B1	9	M	W	F	238	ADMIN		LANGEBARTEL	

MATH	383	LINEAR PROGRAMMING. PREREQUISITE: ONE YEAR OF CALCULUS. 3 HOURS OR 1 UNIT	51008	LECT-DISC	E1	1	M W F	143	ADMIN	FRIESEN
MATH	386	LAPLACE TRANSFORMS. PREREQUISITE: MATH. 343. 3 HOURS OR 1 UNIT	51016	LECT-DISC	D1	11	M W F	341	A H	SCOTT
MATH	387	NUMERICAL ANALYSIS. SAME AS C. S. 387. PREREQUISITE: C. S. OR MATH. 287, A KNOWLEDGE OF ELEMENTARY MATRIX ALGEBRA, OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT	51024	LECT-DISC	E1	1	M W F	238	ADMIN	FOSDICK
MATH	388	MATHEMATICAL METHODS IN ENGINEERING AND SCIENCE. PREREQUISITE: MATH. 343. 3 HOURS OR 1 UNIT	51032	LECT-DISC	B1	9	M W F	443	A H	
			51041	LECT-DISC	D1	11	M W F	163	E E B	
MATH	391	BOOLEAN ALGEBRA AND SWITCHING THEORY. SAME AS C. S. AND E. E. 391. PREREQUISITE: SENIOR STANDING AND CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	51059	LECT-DISC	N1	1030-12	TU TH	110	A H	HOHN
MATH	392	INTRODUCTION TO AUTOMATA THEORY. SAME AS C. S. AND E. E. 392. PREREQUISITE: C. S., E. E. OR MATH. 391 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	51067	LECT-DISC	B1	9	M W F	245	E E B	METZE
			51075	LECT-DISC	M1	9-1030	TU TH	141	E E B	MULLER
COURSES FOR GRADUATES										
MATH	401	SECOND COURSE IN ABSTRACT ALGEBRA, I. PREREQUISITE: MATH. 317 AND 318. 1 UNIT *SECTION D1 IS FOR AYT STUDENTS.	51083	LECT-DISC	C1	10	M W F	241	A H	J. PARR
			51091	LECT-DISC	*D1	11	M W F	241	A H	BRAUNFELD
MATH	402	SECOND COURSE IN ABSTRACT ALGEBRA, II. PREREQUISITE: MATH. 401. 1 UNIT	51105	LECT-DISC	F1	2	M W F	241	A H	
			51113	LECT-DISC	G1	3	M W F	241	A H	D ROBINSON
MATH	403	THEORY OF RINGS. PREREQUISITE: MATH. 401, 402 OR EQUIVALENT. 1 UNIT	51121	LECT-DISC	F1	2	M W F	243	A H	JANUSZ
MATH	404	GROUP THEORY. PREREQUISITE: MATH. 401 AND 402 OR EQUIVALENT. 1 UNIT	51130	LECT-DISC	D1	11	M W F	245	A H	WEICHSEL
MATH	406	HOMOLOGICAL ALGEBRA. PREREQUISITE: MATH. 401 AND 402 OR EQUIVALENT. 1 UNIT	51148	LECT-DISC	E1	1	M W F	241	A H	MCCULLOH
MATH	408	LIE GROUPS. PREREQUISITE: MATH. 332, 404 AND 441. 1 UNIT	51156	LECT-DISC	M1	9-1030	TU TH	145	A H	ALBRECHT

MATH	410	LOGICAL FOUNDATIONS OF MATHEMATICS, I. PREREQUISITE: MATH. 314 OR 317 OR 347 OR PHIL. 333 OR CONSENT OF INSTRUCTOR. 1 UNIT	51164	LECT-DISC E1	1	M W F	243	A H	JOCKUSCH
MATH	411	LOGICAL FOUNDATIONS OF MATHEMATICS, II. PREREQUISITE: MATH. 410. 1 UNIT	51172	LECT-DISC E1	1	M W F	245	A H	APPEL
MATH	412	RECURSIVE FUNCTION THEORY. PREREQUISITE: MATH. 410 OR CONSENT OF INSTRUCTOR. 1 UNIT	51181	LECT-DISC B1	9	M W F	241	A H	MC LAUGHLIN
MATH	413	SET THEORY. PREREQUISITE: MATH. 410. 1 UNIT	51199	LECT-DISC F1	2	M W F	245	A H	ZARING
MATH	415	ADVANCED TOPICS IN THE THEORY OF GROUPS. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT *SECTION E1 CONSIDERS COHOMOLOGICAL METHODS IN GROUP THEORY. *SECTION G1 CONSIDERS CHARACTERIZATIONS OF FINITE SIMPLE GROUPS. *SECTION H1 CONSIDERS FINITE SIMPLE GROUPS, CONTINUED.	51211 86748 51229 51202 86756	LECT-DISC O1 LECT-DISC *E1 LECT-DISC F1 LECT-DISC *G1 LECT-DISC *H1	11 1 2 3 4	M W F M W F M W F M W F M W F	147 110 247 243 241	A H A H A H A H A H	BABAKHANIAN WALTER SUZUKI
MATH	416	ADVANCED TOPICS IN ABSTRACT ALGEBRA. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT *SECTION B1 CONSIDERS HOPF ALGEBRAS. *SECTION C1 CONSIDERS MODULAR REPRESENTATION THEORY CONTINUED. *SECTION D1 CONSIDERS SET THEORY. *SECTION F1 CONSIDERS ALGEBRAIC NUMBER THEORY. *SECTION H1 CONSIDERS MODEL THEORY CONTINUED. *SECTION N1 CONSIDERS KRULL DOMAINS.	51237 51245 51253 51261 51270 51288 51296 86764	LECT-DISC *B1 LECT-DISC *C1 LECT-DISC *D1 LECT-DISC *E1 LECT-DISC *F1 LECT-DISC *G1 LECT-DISC *H1 LECT-DISC *M1	9 10 11 1 2 3 4 9-1030	M W F M W F M W F M W F M W F M W F M W F TU TH	243 245 243 247 257 245 243 159	A H A H A H A H A H A H A H A H	CHEN DORNHOFF TAKEUTI REINER FRASCELLA FOSSUM
MATH	422	ALGEBRAIC GEOMETRY. PREREQUISITE: MATH. 328. 1 UNIT	51300	LECT-DISC N1	1030-12	TU TH	147	A H	OSBORN
MATH	423	DIFFERENTIAL GEOMETRY. PREREQUISITE: MATH. 343, GRADUATE STANDING. 1 UNIT	51318	LECT-DISC C1	10	M W F	247	A H	FRANCIS
MATH	424	RIEMANNIAN GEOMETRY. PREREQUISITE: MATH. 423. 1 UNIT	51326	LECT-DISC C1	10	M W F	257	A H	GOLDBERG
MATH	426	DIFFERENTIABLE MANIFOLDS, II. PREREQUISITE: MATH 425. 1 UNIT	51334	LECT-DISC E1	1	M W F	257	A H	TONOUER

MATH	428	TOPICS IN GEOMETRY.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
		*SECTION B1 CONSIDERS MORSE THEORY.							
		*SECTION E1 IS FOR ACADEMIC YEAR INSTITUTE STUDENTS.							
		*SECTION F1 CONSIDERS FIBER SPACES AND CHARACTERISTIC CLASSES, II.							
	51342	LECT-DISC	*B1	9	M	W	F	259	A H CAIRNS
	51369	LECT-DISC	*E1	1	M	W	F	156	ADMIN WETZEL
	51377	LECT-DISC	*F1	2	M	W	F	259	A H KAMBER
MATH	431	ALGEBRAIC TOPOLOGY, I.							
		PREREQUISITE: MATH. 333.							
		1 UNIT							
	51385	LECT-DISC	F1	2	M	W	F	102	A H ZVENGROWSKI
MATH	432	ALGEBRAIC TOPOLOGY, II.							
		PREREQUISITE: MATH. 431.							
		1 UNIT							
	51393	LECT-DISC	F1	2	M	W	F	108	A H ROTHMAN
MATH	435	GENERAL TOPOLOGY.							
		PREREQUISITE: MATH. 332 OR CONSENT OF INSTRUCTOR.							
		1 UNIT							
	51407	LECT-DISC	O1	11	M	W	F	257	A H LOEB
MATH	438	TOPICS IN TOPOLOGY.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
		*SECTION O1 IS A CONTINUATION OF MATH. 435.							
		*SECTION E1 CONSIDERS TOPOLOGY IN THREE DIMENSIONS.							
	51415	LECT-DISC	C1	10	M	W	F	238	ADMIN
	51423	LECT-DISC	*O1	11	M	W	F	247	A H FINNEY
	51431	LECT-DISC	*E1	1	M	W	F	259	A H CRAGGS
MATH	439	SEMINAR IN TOPOLOGY.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
		*SECTION H1 CONSIDERS DIMENSION THEORY.							
	51440	LECT-DISC	B1	9	M	W	F	245	A H
	51458	LECT-DISC	*H1	4	M	W	F	245	A H HAMSTRUM
MATH	440	THEORY OF FUNCTIONS OF A COMPLEX VARIABLE, I.							
		PREREQUISITE: MATH. 348 OR CONSENT OF INSTRUCTOR.							
		1 UNIT							
	51466	LECT-DISC	O1	11	M	W	F	102	A H RUBEL
MATH	441	REAL ANALYSIS, I.							
		PREREQUISITE: MATH. 347 OR EQUIVALENT.							
		1 UNIT							
	51474	LECT-DISC	X1	12	M	W	F	241	A H LEVIATAN
	51482	LECT-DISC	G1	3	M	W	F	341	A H RASH
MATH	442	REAL ANALYSIS, II.							
		PREREQUISITE: MATH. 441.							
		1 UNIT							
	51491	LECT-DISC	C1	10	M	W	F	102	A H E BERKSON
	51504	LECT-DISC	H1	4	M	W	F	247	A H PECK
MATH	443	ORDINARY DIFFERENTIAL EQUATIONS.							
		PREREQUISITE: MATH. 347 AND A FIRST COURSE IN ORDINARY DIFFERENTIAL EQUATIONS.							
		1 UNIT							
	51512	LECT-DISC	X1	12	M	W	F	243	A H BANK
MATH	444	PARTIAL DIFFERENTIAL EQUATIONS.							
		PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
	51521	LECT-DISC	A1	8	M	W	F	241	A H BENZINGER

MATH	445	THEORY OF FUNCTIONS OF A COMPLEX VARIABLE, II. PREREQUISITE: MATH. 332 AND 440 OR CONSENT OF INSTRUCTOR. 1 UNIT	51539	LECT-DISC	01	11	M W F	108	A H	HEINS
MATH	446	HILBERT SPACE. PREREQUISITE: MATH. 442. 1 UNIT	51547	LECT-DISC	B1	9	M W F	247	A H	BERG
MATH	447	BANACH SPACES. PREREQUISITE: MATH. 442. 1 UNIT	51555	LECT-DISC	F1	2	M W F	110	A H	LOTZ
MATH	448	HARMONIC ANALYSIS. PREREQUISITE: MATH. 442. 1 UNIT	51563	LECT-DISC	G1	3	M W F	257	A H	WOOD
MATH	449	NORMED RINGS. PREREQUISITE: MATH. 318 AND 446 OR 447. 1 UNIT	51571	LECT-DISC	C1	10	M W F	108	A H	ROTHMAN
MATH	452	THEORY OF PROBABILITY, II. PREREQUISITE: MATH. 451. 1 UNIT	51580	LECT-DISC	G1	3	M W F	102	A H	HELMS
MATH	454	ANALYTIC THEORY OF NUMBERS, II. PREREQUISITE: MATH. 453. 1 UNIT	51598	LECT-DISC	N1	1030-12	TU TH	155	A H	P BATEMAN
MATH	455	MATHEMATICAL METHODS OF PHYSICS, I. PREREQUISITE: MATH. 348. 1 UNIT	51601	LECT-DISC	B1	9	M W F	257	A H	TING
			51610	LECT-DISC	D1	11	M W F	143	ADMIN	
MATH	456	MATHEMATICAL METHODS OF PHYSICS, II. PREREQUISITE: MATH. 455. 1 UNIT	51628	LECT-DISC	A1	8	M W F	243	A H	BELFORD
			51636	LECT-DISC	C1	10	M W F	110	A H	SCOTT
MATH	458	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS. SAME AS C. S. 458. PREREQUISITE: C. S. OR MATH. 457, OR CONSENT OF INSTRUCTOR. 1 UNIT	51644	LECT-DISC	B1	9	M W F	102	A H	DAVIS
MATH	460	RELATIVITY AND COSMOLOGY. SAME AS ASTR. AND PHYCS. 424. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT	51652	LECT		2	M W F	64	M E B	MCVITTIE
MATH	461	APPLIED STOCHASTIC PROCESSES. PREREQUISITE: MATH. 346 AND 347. 1 UNIT	51661	LECT-DISC	H1	4	M W F	257	A H	DOOB
MATH	465	TOPICS IN AUTOMATA THEORY. SAME AS C. S. AND E. E. 465. PREREQUISITE: C. S., E. E. OR MATH. 392, OR CONSENT OF INSTRUCTOR. 1 UNIT	51679	LECT-DISC	D1	11	M W F	110	A H	MULLER

MATH 468 TOPICS IN ANALYSIS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 *SECTION 81 IS FOR ACADEMIC YEAR INSTITUTE STUDENTS.
 *SECTION D1 CONSIDERS HARMONIC ANALYSIS IN GROUPS AND SEMIGROUPS.
 *SECTION G1 CONSIDERS FOURIER ANALYSIS, CONTINUED.
 *SECTION H1 CONSIDERS PARTIAL DIFFERENTIAL EQUATIONS.

51687	LECT-DISC #81	9	M	W	F	156	ADMIN	ZARING
51717	LECT-DISC #D1	11	M	W	F	259	A H	RAJAGOPALAN
51695	LECT-DISC #G1	3	M	W	F	259	A H	R RAO
51709	LECT-DISC #H1	4	M	W	F	259	A H	CARROLL

MATH 469 SEMINAR IN ANALYSIS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 *SECTION E1 CONSIDERS DIRICHLET SERIES, MODULAR FORMS AND ANALYTIC NUMBER THEORY.

51733	LECT-DISC 81	9	M	W	F	108	A H	BERNDT
51741	LECT-DISC #E1	1	M	W	F	108	A H	

MATH 474 THE THEORY OF ESTIMATION.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT

51750	LECT-DISC A1	8	M	W	F	245	A H	BOHRER
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MATH 478 TOPICS IN STATISTICS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 *SECTION 81 CONSIDERS MULTIVARIATE ANALYSIS.
 *SECTION C1 CONSIDERS STRONG (A. S.) CONVERGENCE.

51776	LECT-DISC #81	9	M	W	F	341	A H	WIJSMAN STOUT
51784	LECT-DISC #C1	10	M	W	F	145	A H	
51768	LECT-DISC G1	3	M	W	F	321	A H	

MATH 488 TOPICS IN APPLIED MATHEMATICS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 *SECTION 81 CONSIDERS MATHEMATICAL FOUNDATIONS OF QUANTUM MECHANICS.
 *SECTION C1 CONSIDERS PERTURBATIONAL METHODS IN ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS.
 *SECTION D1 CONSIDERS PSEUDO DIFFERENTIAL OPERATORS.

51806	LECT-DISC #81	9	M	W	F	143	ADMIN	WITZ LANGEARTEL TING
86772	LECT-DISC #C1	10	M	W	F	321	A H	
86781	LECT-DISC #D1	11	M	W	F	145	A H	
51792	LECT-DISC F1	2	M	W	F	321	A H	

MATH 489 SEMINAR IN APPLIED MATHEMATICS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT

51814	LECT-DISC J	5	M	W	F	314	A H	HOHN BATEMAN
51822	LECT-DISC U	4-530	TU	TH		314	A H	

MATH 490 READING COURSE.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 TO 2 UNITS

51831	CONF	A	ARR	STAFF
51849	CONF	B	ARR	STAFF
51857	CONF	C	ARR	STAFF

MATH 493 PROSEMINAR.
 PREREQUISITE: MATH. 347, CREDIT OR REGISTRATION IN MATH. 348.
 1 UNIT

51865	LECT-DISC E1	1	M	W	F	102	A H	DIAMOND
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MATH 499 THESIS RESEARCH.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 TO 4 UNITS

51873	CONF	ARR	STAFF
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MECHANICAL ENGINEERING

DEPARTMENT OFFICE

144 M E B

COURSES FOR UNDERGRADUATES

M E 180 ENGINEERING MATERIALS AND PROCESSES.

PREREQUISITE: SOPHOMORE STANDING.

3 HOURS

51881 LECT-DISC A 8 M W F 143A M E B

M E 185 MATERIALS PROCESSING AND PRODUCTION TECHNOLOGY.

PREREQUISITE: CHEM. 102 (NEW), PHYS. 106, AND CREDIT OR

REGISTRATION IN MATH. 142 OR 143.

4 HOURS

51890	LECT-DISC	BK1	9	M	W	F	218	M	E	B
	LAB	BK1	8-11		TU		218	M	E	B
		BK1	8-11		TU		217	M	E	B
51903	LECT-DISC	BK3	9	M	W	F	218	M	E	B
	LAB	BK3	8-11		TH		218	M	E	B
		BK3	8-11		TH		217	M	E	B
51911	LECT-DISC	CQ1	10	M	W	F	218	M	E	B
	LAB	CQ1	2-5		TU		218	M	E	B
		CQ1	2-5		TU		217	M	E	B

COURSES FOR ADVANCED UNDERGRADUATES

M E 202 THERMODYNAMICS AND HEAT TRANSFER.

PREREQUISITE: MATH. 345, PHYS. 107, T. A. M. 154 OR 211.

3 HOURS

51920	LECT-DISC	A	8	M	W	F	236	M	E	B
51938	LECT-DISC	B	9	M	W	F	253	M	E	B
51946	LECT-DISC	C	10	M	W	F	253	M	E	B
51954	LECT-DISC	E	1	M	W	F	236	M	E	B
51962	LECT-DISC	F	2	M	W	F	218	M	E	B
51971	LECT-DISC	G	3	M	W	F	143A	M	E	B

M E 205 THERMODYNAMICS.

PREREQUISITE: MATH. 142 OR 143, PHYS. 107.

3 HOURS

51989	LECT-DISC	C1	10	M		F	135	M	E	B
		C1	10-12		W		135	M	E	B
51997	LECT-DISC	C2	10	M		F	110	M	E	B
		C2	10-12		W		110	M	E	B
52003	LECT-DISC	G1	3	M		F	135	M	E	B
		G1	3-5		W		135	M	E	B
52011	LECT-DISC	G2	3	M		F	236	M	E	B
		G2	3-5		W		236	M	E	B

M E 206 THERMODYNAMICS.

PREREQUISITE: M. E. 205.

3 HOURS

52020	LECT-DISC	B1	9	M	W	F	135	M	E	B
52038	LECT-DISC	B2	9	M	W	F	110	M	E	B
52071	LECT-DISC	D01	11	M	W	F	236	M	E	B
52046	LECT-DISC	D2	11	M	W	F	204	M	E	L
52054	LECT-DISC	F1	2	M	W	F	143B	M	E	B
52062	LECT-DISC	F2	2	M	W	F	204	M	E	L

M E 207 THERMODYNAMICS.

PREREQUISITE: MATH. 142 OR 143 AND PHYS. 107.

3 HOURS

STUDENTS MUST REGISTER IN ONE LECTURE AND IN ONE DISC SECTION.

52089	LECT	G1	3	M	W	F	204	M	E	L
52097	LECT	G2	3	M	W	F	253	M	E	B
52101	LECT	H	4	M	W	F	204	M	E	L
52119	DISC	Q1	2		TU		344	M	E	B
52127	DISC	R1	3		TU		344	M	E	B
52135	DISC	S1	4		TU		344	M	E	B
52143	DISC	Q3	2		TH		344	M	E	B
52151	DISC	R3	3		TH		344	M	E	B
52160	DISC	S3	4		TH		344	M	E	B

M E 209 THERMODYNAMICS AND HEAT TRANSFER.
PREREQUISITE: MATH. 142 OR 143, PHYCS. 107.
3 HOURS

52178	LECT-DISC	B1	9	M W F	1438	M E B
52186	LECT-DISC	B2	9	M W F	204	M E L
52194	LECT-DISC	F1	2	M W F	236	M E B
52208	LECT-DISC	F2	2	M W F	253	M E B

M E 210 INTRODUCTION TO ENGINEERING EXPERIMENTATION.
PREREQUISITE: REGISTRATION IN MATH. 345 AND M. E. 221.
3 HOURS

52216	LECT-DISC	KL1	8	TU TH	236	M E B
	LAB	KL1	9-12	TU	M E LAB	
		KL1	9-12	TU	112	M E L
52224	LECT-DISC	KL3	8	TU TH	236	M E B
	LAB	KL3	9-12	TH	M E LAB	
		KL3	9-12	TH	112	M E L
52232	LECT-DISC	KQ1	8	TU TH	236	M E B
	LAB	KQ1	2-5	TU	M E LAB	
		KQ1	2-5	TU	112	M E L
52241	LECT-DISC	KQ3	8	TU TH	236	M E B
	LAB	KQ3	2-5	TH	M E LAB	
		KQ3	2-5	TH	112	M E L
52259	LECT-DISC	PL1	1	TU TH	218	M E B
	LAB	PL1	9-12	TU	M E LAB	
		PL1	9-12	TU	112	M E L
52267	LECT-DISC	PL3	1	TU TH	218	M E B
	LAB	PL3	9-12	TH	M E LAB	
		PL3	9-12	TH	112	M E L
52275	LECT-DISC	PQ1	1	TU TH	218	M E B
	LAB	PQ1	2-5	TU	M E LAB	
		PQ1	2-5	TU	112	M E L
52283	LECT-DISC	PQ3	1	TU TH	218	M E B
	LAB	PQ3	2-5	TH	M E LAB	
		PQ3	2-5	TH	112	M E L

M E 211 INTRODUCTORY GAS DYNAMICS.
PREREQUISITE: MATH. 345, PHYSC. 107, AND M. E. 210 (OR CONCURRENTLY)
3 HOURS

52291	LECT-DISC	B	9	M W F	236	M E B
52305	LECT-DISC	E	1	M W F	253	M E B
52313	LECT-DISC	F	2	M W F	332	M E B

M E 212 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE: M. E. 205, MATH. 345.
*CREDIT IS NOT GIVEN FOR BOTH M. E. 212 AND 254.
*5 HOURS

52321	LECT-DISC	A	8	MTUWTHF	253	M E B
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M E 213 HEAT TRANSFER.
PREREQUISITE: M. E. 211.
3 HOURS

52330	LECT-DISC	A	8	M W F	110	M E B
52348	LECT-DISC	C	10	M W F	204	M E L
52356	LECT-DISC	E	1	M W F	135	M E B

M E 220 MECHANICS OF MACHINERY.
PREREQUISITE: T. A. M. 154 OR 156, OR REGISTRATION IN T. A. M. 211, AND CREDIT OR REGISTRATION IN C. S. 101.
4 HOURS

52364	LAB-DISC	A	8-10	M W F	353	M E B
52399	LAB-DISC	C1	10-12	M W F	353	M E B
52372	LAB-DISC	C2	10-12	M W F	335	M E B
52381	LAB-DISC	E	1-3	M W F	353	M E B

M E 221 MECHANICS OF MACHINERY.
PREREQUISITE: T. A. M. 156 OR REGISTRATION IN T. A. M. 211, G. E. 104.
5 HOURS

52402	LECT-DISC	BL	9	M W F	343	M E B
	LAB	BL	9-12	TU TH	343	M E B

M E 224 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE: M. E. 221, OR M. E. 222, T. A. M. 221, CREDIT OR
REGISTRATION IN T. A. M. 223.
3 HOURS

52461	LECT-DISC	EA1	8-10	M W F	336	M E B
52411	LECT-DISC	A2	8-10	M W F	344	M E B
52429	LECT-DISC	C1	10-12	M W F	336	M E B
52437	LECT-DISC	C2	10-12	M W F	344	M E B
52445	LECT-DISC	E1	1-3	M W F	336	M E B
52453	LECT-DISC	E2	1-3	M W F	344	M E B

M E 234 HEAT TREATMENT OF METALS.
PREREQUISITE: T. A. M. 221, CREDIT OR REGISTRATION IN M. E. 224 AND
T. A. M. 223.
3 HOURS

STUDENTS MUST REGISTER IN ONE LECTURE AND IN ONE LAB SECTION.

52470	LECT	K	B	TU TH	110	M E B
52488	LECT	D	11	M F	110	M E B
52496	LECT	P	1	TU TH	110	M E B
52500	LAB	L1	9-12	TU	110	M E B
		L1	9-12	TU	114	M E B
52518	LAB	L3	9-12	TH	110	M E B
		L3	9-12	TH	114	M E B
52526	LAB	Q1	2-5	TU	110	M E B
		Q1	2-5	TU	114	M E B
52534	LAB	Q3	2-5	TH	110	M E B
		Q3	2-5	TH	114	M E B
52542	LAB	F	2-5	M	110	M E B
		F	2-5	M	114	M E B

M E 250 THERMO SCIENCE LABORATORY.
PREREQUISITE: M. E. 205 AND 213.
3 HOURS

52551	LAB	A	8-10	M W F	319	M E L
		A	8-10	M W F	320	M E L
		A	8-10	M W F	101	M E B
		A	8-10	M W F		M E LAB

M E 252 HEATING AND AIR CONDITIONING FOR ARCHITECTS.
PREREQUISITE: JUNIOR STANDING.
4 HOURS

52569	LECT-DISC	D	11	MTU THF	213	G H
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M E 254 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE: M. E. 205, CREDIT OR REGISTRATION IN T. A. M. 235.
*CREDIT IS NOT GIVEN FOR BOTH M. E. 254 AND 212.
*3 HOURS

52577	LECT-DISC	D	11	M W F	143A	M E B
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M E 256 INTERNAL COMBUSTION ENGINES.
PREREQUISITE: M. E. 206.
3 HOURS

52585	LECT-DISC	B	9	M F	143A	M E B
52593	LAB	K1	8-10	TU	101	M E B
52607	LAB	M3	10-12	TH	101	M E B
52615	LAB	P1	1-3	TU	101	M E B

M E 257 GAS TURBINES.
PREREQUISITE: M. E. 206, AND 212 OR EQUIVALENT.
3 HOURS

52623	LECT-DISC	DM1	11	M F	135	M E B
	LAB	DM1	10-12	TU	101	M E B

M E 260 AIR FLOW AND CONDITIONING.
PREREQUISITE: M. E. 206 AND 212.
3 HOURS

52631	LECT-DISC	C	10	M W F	143B	M E B
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M E 263 APPLICATION OF ENERGY CONCEPTS TO POWER PROCESSES.
PREREQUISITE: M. E. 206 AND 212.
5 HOURS

52640	LECT-DISC	A	8	M W F	204	M E L
52658	LAB	K	8-10	TU TH	204	M E L
		K	8-10	TU TH	101	M E B
		K	8-10	TU TH		M E LAB
52666	LAB	M	10-12	TU TH	204	M E L
		M	10-12	TU TH	101	M E B
		M	10-12	TU TH		M E LAB
52674	LAB	P	1-3	TU TH	204	M E L
		P	1-3	TU TH	101	M E B
		P	1-3	TU TH		M E LAB

M E 264 HEAT POWER LABORATORY.
PREREQUISITE: M. E. 212 AND 263.
3 HOURS

52682	LAB	C	10-12	M W F	112	M E L
		C	10-12	M W F	101	M E B
		C	10-12	M W F		M E LAB
52691	LAB	E	1-3	M W F	112	M E L
		E	1-3	M W F	101	M E B
		E	1-3	M W F		M E LAB

M E 265 INSTRUMENTATION AND CONTROLS.
PREREQUISITE: M. E. 210 OR SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

52704	LECT-DISC	D	11	M F	143B	M E B
	LAB	D	ARR			

M E 271 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE: M. E. 224.
3 HOURS

52712	LECT-DISC	A1	8-10	M W F	349	M E B
52721	LECT-DISC	C1	10-12	M W F	349	M E B
52739	LECT-DISC	C2	10-12	M W F	249	M E B
52747	LECT-DISC	E1	1-3	M W F	335	M E B
52755	LECT-DISC	E2	1-3	M W F	249	M E B

M E 275 CREATIVITY IN ENGINEERING DESIGN.
PREREQUISITE: M. E. 271.
3 HOURS

52763	LECT-DISC	R	3-5	TU TH	249	M E B
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M E 284 WELDING ENGINEERING.
PREREQUISITE: SENIOR STANDING IN ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS

52771	LECT-DISC	GM1	3	M F	143B	M E B
		GM1	9	TU	143B	M E B
	LAB	GM1	10-12	TU	215	M E B

M E 291 SEMINAR.
PREREQUISITE: SENIOR STANDING IN MECHANICAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
0 CREDIT

52780	LECT	H	4	M	218	M E B
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M E 293 SPECIAL PROJECTS.
PREREQUISITE: SENIOR STANDING IN MECHANICAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS

52798	CONF	Y	ARR			
52801	CONF	Z	ARR			
52810	CONF	YY	9	M W F	101	WOODSHOP
52828	CONF	ZZ	10	M W F	101	WOODSHOP

M E 296 HONORS PROJECT.
PREREQUISITE: JAMES SCHOLAR IN ENGINEERING; CONSENT OF INSTRUCTOR.
1 TO 4 HOURS

52836	CONF	ZZ	ARR			
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

M E	302	NUCLEAR POWER ENGINEERING. SAME AS NUC. E. 302. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT	52844	LECT-DISC	9	M W F	203	N E L	
M E	304	DIRECT ENERGY CONVERSION. PREREQUISITE: M. E. 301 OR CONSENT OF INSTRUCTOR, MATH. 345. 3 HOURS, OR 3/4 OR 1 UNIT	52852	LECT-DISC	ARR				S00
M E	305	THERMODYNAMICS OF HIGH VELOCITY FLOW. PREREQUISITE: M. E. 206 OR 211 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	52861	LECT-DISC	11	M W F	218	M E B	ADDY, WHITE
M E	306	INDUSTRIAL HEAT TRANSFER. PREREQUISITE: UNDERGRADUATE COURSES IN FLUID MECHANICS AND HEAT TRANSFER. 4 HOURS OR 1 UNIT	52879	LECT-DISC	1-3	M W	320	M E L	CLAUSING
M E	311	INSTRUMENTATION AND MEASUREMENTS. SAME AS AG. E. 311. PREREQUISITE: SENIOR STANDING IN ENGINEERING OR SCIENCE. 3 OR 4 HOURS, OR 3/4 OR 1 UNIT	52887	LECT-DISC	8	M W F	135	M E B	STROUT
M E	314	LUBRICATION. PREREQUISITE: UNDERGRADUATE COURSES IN MACHINE DESIGN AND FLUID MECHANICS. 3 HOURS, OR 3/4 OR 1 UNIT	52895	LECT-DISC	1-3	TU TH	236	M E B	RADZIMOVSKY
M E	323	DESIGN OF THERMAL SYSTEMS. PREREQUISITE: M. E. 206, 211 AND 213. 3 HOURS, OR 3/4 OR 1 UNIT	52909	LECT	R	3	TU TH	1438	M E B
			52917	LAB	Q	2	TU TH	1438	M E B
			52925	LAB	S	4	TU TH	1438	M E B
M E	332	THEORY OF INTERNAL COMBUSTION ENGINES. PREREQUISITE: UNDERGRADUATE COURSE IN INTERNAL COMBUSTION ENGINES OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 TO 1 UNIT	52933	LECT-DISC	10	M W F	143A	M E B	HULL
M E	341	ENGINEERING ANALYSIS AND DESIGN. PREREQUISITE: M. E. 271, SENIOR STANDING, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	52941	LECT-DISC	A	8-10	M W F	249	M E B
			52950	LECT-DISC	L	9-12	TU TH	349	M E B
M E	343	DYNAMICS OF MACHINERY. PREREQUISITE: M. E. 221 AND SENIOR STANDING OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	52968	LECT-DISC	10	M W F	343	M E B	STAFF
M E	388	MACHINE TOOL SYSTEMS ANALYSIS. PREREQUISITE: M. E. 186, M. E. 271 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 3/4 OR 1 UNIT	52976	LECT-DISC	ARR				TURKOVICH

COURSES FOR GRADUATES

M E	402	IRREVERSIBLE THERMODYNAMICS. PREREQUISITE: M. E. 301 OR EQUIVALENT. 1 UNIT	52984	LECT-OISC	ARR				SOD
M E	406	HEAT CONDUCTION IN SOLIDS. PREREQUISITE: M. E. 306, MATH. 346, OR CONSENT OF INSTRUCTOR. 1 UNIT	52992	LECT-OISC	ARR				CHAO
M E	407	SELECTED TOPICS IN GAS DYNAMICS. PREREQUISITE: M. E. 404. 1 UNIT	53009	LECT-OISC	9 9-11	M W	F 332	M E B 332	CHOW, KORST
M E	408	LABORATORY INVESTIGATIONS IN THERMODYNAMICS. PREREQUISITE: ONE-YEAR COURSE IN THERMODYNAMICS, ONE HALF-YEAR COURSE IN POWER LABORATORY. 1/2 TO 1 1/2 UNITS	53017	CONF	ARR				BAIR, STUKEL, MORRISON, SOD
M E	409	LABORATORY INVESTIGATIONS IN FLUID FLOW, HEAT TRANSFER, AND COMBUSTION PREREQUISITE: COURSES IN THERMODYNAMICS AND FLUID MECHANICS. 1/2 TO 1 1/2 UNITS	53025	CONF	ARR				AODY, BAIR, CHOW, CLAUSING HERING, SAVAGE
M E	410	THERMAL RADIATION. PREREQUISITE: M. E. 306 OR CONSENT OF INSTRUCTOR. 1 UNIT	53033	LECT-OISC	1-3	M W		143A M E B	HERING
M E	423	THERMAL SYSTEMS. PREREQUISITE: M. E. 323. 1 UNIT	53041	LECT-OISC	10-12	TU TH	336	M E B	STOECKER
M E	428	LABORATORY INVESTIGATIONS IN REFRIGERATION. 1/2 TO 1 1/2 UNITS	53050	CONF	ARR				STOECKER, PEDERSEN
M E	429	LABORATORY INVESTIGATIONS IN HEATING AND AIR CONDITIONING. PREREQUISITE: TWO SEMESTERS OF POWER LABORATORY OR EQUIVALENT. 1/2 TO 1 1/2 UNITS	53068	CONF	ARR				CHATO, HARRIS, HERTIG, KONZO, PEDERSEN, STOECKER
M E	438	LABORATORY INVESTIGATIONS IN POWER MACHINERY. PREREQUISITE: ONE-YEAR COURSE IN POWER LABORATORY. 1/2 TO 1 1/2 UNITS	53076	CONF	ARR				HEBRANK, HULL, MILES, SAVAGE STROUT
M E	441	MACHINE DESIGN. PREREQUISITE: UNDERGRADUATE COURSE IN DYNAMICS OF MACHINES, ONE YEAR OF MACHINE DESIGN. 1 UNIT	53084	LECT-OISC	10-12	TU TH	344	M E B	ADKINS

M E	442	LINKAGE SYNTHESIS.						
		PREREQUISITE: M. E. 342 OR CONSENT OF INSTRUCTOR.						
		1 UNIT						
	53092	LECT-DISC	II	M	W	F	343	M E B BROGHAMER
M E	448	LABORATORY INVESTIGATIONS IN MACHINE DESIGN.						
		1/2 TO 1 1/2 UNITS						
	53106	CONF	ARR					ADKINS, LARSON BROGHAMER, OFFNER, RADZIMOVSKY
M E	452	DEFORMATION AND MECHANICAL PROCESSING OF METALS.						
		PREREQUISITE: M. E. 451 AND MET. E. 40B.						
		1 UNIT						
	53114	LECT-DISC	ARR					TURKOVICH
M E	458	LABORATORY INVESTIGATIONS IN PRODUCTION.						
		1/2 TO 1 1/2 UNITS						
	53122	LAB-DISC	ARR					BARDES, ODYLE, LEACH, TRIGGER TURKOVICH
M E	493	SEMINAR.						
		0 CREDIT						
	53131	DISC	ARR					KONZO, SAVAGE
M E	499	THESIS RESEARCH.						
		0 TO 4 UNITS						
	53149	CONF	ALA	ARR				ADDY
	53157	CONF	RWA	ARR				ADKINS
	53165	CONF	ELB	ARR				BROGHAMER
	53173	CONF	BTC	ARR				CHAO
	53181	CONF	JCC	ARR				CHATO
	53190	CONF	WLC	ARR				CHOW
	53203	CONF	AMC	ARR				CLAUSING
	53211	CONF	MIO	ARR				DESSOUKY
	53220	CONF	LEO	ARR				DOYLE
	53238	CONF	RGH	ARR				HERING
	53246	CONF	BAH	ARR				HERTIG
	53254	CONF	WLH	ARR				HULL
	53262	CONF	BGJ	ARR				JONES
	53271	CONF	HKH	ARR				KORST
	53289	CONF	CSL	ARR				LARSON
	53297	CONF	FAM	ARR				MORRISON
	53301	CONF	OHO	ARR				OFFNER
	53319	CONF	COP	ARR				PEDERSEN
	53327	CONF	LCP	ARR				PIGAGE
	53335	CONF	EIR	ARR				RADZIMOVSKY
	53343	CONF	LOS	ARR				SAVAGE
	53351	CONF	SLS	ARR				SOD
	53360	CONF	WLS	ARR				STOECKER
	53378	CONF	KJT	ARR				TRIGGER
	53386	CONF	BFT	ARR				TURKOVICH
	53394	CONF	RAW	ARR				WHITE

MEDIEVAL CIVILIZATION STUDIES PROGRAM

MAJOR: STUDENTS WHO ELECT MEDIEVAL CIVILIZATION AS A MAJOR MUST COMPLETE THE LOWER DIVISION REQUIREMENTS OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES AND FORTY SEMESTER HOURS (WHICH SATISFIES BOTH MAJOR AND MINOR REQUIREMENTS) IN COURSES CHOSEN FROM THE FOLLOWING LIST: ARCH. 214; ART 308 OR 309; CLCIV. 301, 302; ENGL. 311; HIST. 301, 302, 303, 304, 305, 333, 345; ITAL. 311, 312; LAT. 104; PHIL. 304; SPCH. 361. OTHER COURSES MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ADVISER; ADVANCED READING COURSES IN ANY FOREIGN LANGUAGE OFFERED BY THE UNIVERSITY ARE STRONGLY RECOMMENDED.

ADVISER: PROFESSOR BENNETT D. HILL, 304 ARMORY.

METALLURGICAL ENGINEERING

DEPARTMENT OFFICE

201 M M B

COURSES FOR UNDERGRADUATES

MET E 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

53408

CONF

ARR

COURSES FOR ADVANCED UNDERGRADUATES

MET E 208 PHYSICAL METALLURGY, II.

PREREQUISITE: MET. E. 201 AND 203.

*CREDIT NOT ALLOWED FOR MET. E. 208 IN ADDITION TO MET. E. 387.

*3 HOURS

53416

LECT-DISC

8

M W F

305 M M B

MET E 210 PHYSICAL METALLURGY LABORATORY, II.

PREREQUISITE: REGISTRATION IN MET. E. 208.

3 HOURS

53424

LAB

A

9-12

TU TH

212 M M B

53432

LAB

B

2-5

TU TH

212 M M B

MET E 260 ADVANCED PHYSICAL METALLURGY LABORATORY.

PREREQUISITE: MET. E. 208, 210, CREDIT OR REGISTRATION IN MET. E. 251.

3 HOURS

53441

LAB

1-5

TU TH

112 M M B

MET E 295 METALLURGICAL SEMINAR.

PREREQUISITE: SENIOR STANDING IN METALLURGICAL ENGINEERING.

1 HOUR

53459

CONF

A

8

TU

305 M M B

53467

CONF

B

9

TU

305 M M B

MET E 299 THESIS.

PREREQUISITE: SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.

1 TO 3 HOURS

53475

CONF

ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MET E 301 METALLURGY OF WELDING.

PREREQUISITE: MET. E. 208 OR EQUIVALENT.

3 HOURS, OR 3/4 OR 1 UNIT

53483

LECT-DISC

8

M W F

403 M M B

MET E 306 DESIGN OF ENGINEERING ALLOYS.

PREREQUISITE: MET. E. 208 AND 311.

3 HOURS, OR 3/4 OR 1 UNIT

53491

LECT-DISC

10

TU TH

305 M M B

3

W

305 M M B

MET E 310 X-RAY METALLOGRAPHY.

PREREQUISITE: PHYSICS 108.

3 HOURS OR 3/4 UNIT

53505

LECT-DISC

11

W F

305 M M B

53513

LAB

A

2-5

M

401 M M B

53521

LAB

B

2-5

TU

401 M M B

53530

LAB

C

2-5

F

401 M M B

MET E 314 METALLURGICAL THERMODYNAMICS.

PREREQUISITE: CREDIT OR REGISTRATION IN CHEM. 246.

3 HOURS OR 3/4 UNIT

53548

LECT-DISC

1

M W F

305 M M B

MET E 316 MECHANICAL METALLURGY.
 PREREQUISITE: SENIOR STANDING IN ENGINEERING, OR
 CONSENT OF INSTRUCTOR.
 3 HOURS OR 3/4 UNIT
 53556 LECT-DISC 9 M W F 305 M M B

MET E 318 PHYSICS OF METALS.
 PREREQUISITE: SENIOR STANDING IN ENGINEERING, OR CONSENT OF
 INSTRUCTOR.
 3 HOURS OR 3/4 UNIT
 53564 LECT-DISC 10 M W F 305 M M B

MET E 334 PHYSICAL METALLURGY FOR ENGINEERS.
 PREREQUISITE: CREDIT OR REGISTRATION IN T. A. M. 221, OR A. A. E.
 224, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 3/4 OR 1 UNIT
 53572 LECT-DISC 2 M W F 119 M M B

MET E 384 PROPERTIES OF SOLIDS.
 SAME AS E. E. 384.
 PREREQUISITE: PHYCS. 383.
 3 HOURS OR 3/4 UNIT
 53581 LECT-DISC 8 9 M W F 119 M M B
 53599 LECT-DISC D 11 M W F 119 M M B
 53602 LECT-DISC G 3 M W F 269 E E B

COURSES FOR GRADUATES

MET E 408 DISLOCATIONS AND MECHANICAL PROPERTIES OF METALS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 53611 LECT-DISC 2 M W F 305 M M B

MET E 410 ADVANCED X-RAY METALLOGRAPHY.
 PREREQUISITE: CHEM. 427, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 53629 LECT-DISC ARR

MET E 421 KINETICS OF PHASE CHANGES IN METALS.
 PREREQUISITE: MET. E. 420 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 53637 LECT-DISC 1 M W F 403 M M B

MET E 485 METALLURGICAL ENGINEERING PROBLEMS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/4 TO 2 UNITS
 53645 LECT-DISC ARR

MET E 486 LABORATORY INVESTIGATIONS IN METALLURGY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/4 OR 1/2 UNIT
 53653 LAB ARR

MET E 493 SEMINAR ON ANELASTICITY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 OR 1/4 UNIT
 53661 CONF A ARR
 53670 CONF B ARR
 53688 CONF C ARR
 53696 CONF D ARR
 53700 CONF E ARR
 53718 CONF F ARR
 53726 CONF G ARR
 53734 CONF H ARR

MET E 494 SEMINAR ON PHASE TRANSFORMATIONS IN METALS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 OR 1/4 UNIT
 53742 CONF A 4 TU 305 M M B
 53751 CONF B 4 TH 305 M M B

WERT
 MORRAL
 ROWLAND
 ALTSTETTER
 BIRNBAUM
 LAWRENCE
 EHRLICH

WAYMAN
 LIEBERMAN

MET E 495 SEMINAR ON DIFFUSION AND IMPERFECTIONS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 OR 1/4 UNIT
 53769 CONF ARR METZGER

MET E 497 SEMINAR ON ALLOY PHASES.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 OR 1/4 UNIT
 53777 CONF 3 F 305 M M B BECK

MET E 498 COLLOQUIUM IN PHYSICAL METALLURGY.
 REQUIRED OF ALL GRADUATE STUDENTS IN METALLURGICAL ENGINEERING.
 NO CREDIT
 53785 LECT 4 W 119 M M B

MET E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 53793 CONF ARR

MICROBIOLOGY

DEPARTMENT OFFICE

131 BUR HALL

MAJOR: BIOLOGY 110-111 AND TWENTY HOURS OF MICROBIOLOGY COURSES INCLUDING MICROBIOLOGY 200-201. BIOLOGY 210 AND 211 MAY BE SUBSTITUTED FOR MICROBIOLOGY COURSES. IN ADDITION, QUANTITATIVE AND ORGANIC CHEMISTRY, MATHEMATICS THROUGH TRIGONOMETRY AND ONE YEAR OF PHYSICS ARE REQUIRED. CREDIT MUST ALSO BE PRESENTED IN ONE COURSE TO BE SELECTED FROM CALCULUS, STATISTICS, OR COMPUTER SCIENCE, AND ONE COURSE TO BE SELECTED FROM PHYSICAL CHEMISTRY OR BIOCHEMISTRY.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ASTRONOMY, BIOLOGY, BOTANY, CHEMISTRY, ENTOMOLOGY, MATHEMATICS, PHYSICS, PHYSIOLOGY, AND ZOOLOGY. NO COURSE MAY APPLY TO BOTH THE MAJOR AND THE MINOR.

COURSES FOR UNDERGRADUATES

MCBIO 100 INTRODUCTORY MICROBIOLOGY.
 *CREDIT IS NOT GIVEN FOR BOTH MCBIO. 100 AND MCBIO. 200.
 *3 HOURS
 53807 LECT 2 M W F 151 E E B HELM

MCBIO 101 INTRODUCTORY EXPERIMENTAL MICROBIOLOGY.
 PREREQUISITE: CREDIT OR REGISTRATION IN MCBIO. 100.
 *CREDIT IS NOT GIVEN FOR BOTH MCBIO. 101 AND MCBIO. 201.
 *2 HOURS
 53815 LAB A 10-12 M W 242 BUR HALL HELM AND
 53823 LAB B 3-5 M W 242 BUR HALL ASSISTANTS
 53831 LAB C 10-12 TU TH 242 BUR HALL
 53840 LAB D 1-3 TU TH 242 BUR HALL

MCBIO 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 53858 CONF ARR BUR HALL STAFF

COURSES FOR ADVANCED UNDERGRADUATES

MCBIO 200 MICROBIOLOGY.
 PREREQUISITE: CREDIT OR REGISTRATION IN ORGANIC CHEMISTRY.
 *CREDIT IS NOT GIVEN FOR BOTH MCBIO. 100 AND MCBIO. 200.
 *3 HOURS
 53866 LECT 10 M W F 116 E C WACHSMAN

MCBIO 201 EXPERIMENTAL MICROBIOLOGY.
 PREREQUISITE: CREDIT OR REGISTRATION IN MCBIO. 100 OR 200 AND IN ORGANIC CHEMISTRY.
 *CREDIT IS NOT GIVEN FOR BOTH MCBIO. 101 AND MCBIO. 201.
 *2 HOURS

53874	LAB	A	8-10	M	W	F	242	BUR HALL	WACHSMAN, KRAMER AND ASSISTANTS
53882	LAB	B	1-3	M	W	F	242	BUR HALL	

MCBIO 207 RESEARCH AND SPECIAL PROBLEMS.
 PREREQUISITE: FIFTEEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 10 HOURS.
 *3 TO 5 HOURS.

53891	LAB-DISC	ARR						BUR HALL	STAFF
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MCBIO 309 COMPARATIVE MICROBIAL CHEMISTRY.
 PREREQUISITE: CHEM. 350 OR EQUIVALENT.
 2 HOURS OR 1/2 UNIT

53904	LECT		1		M	W		140	BUR HALL	WOLIN
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MCBIO 311 FOOD AND INDUSTRIAL MICROBIOLOGY.
 PREREQUISITE: MCBIO. 101 OR 201 OR 309 OR EQUIVALENT AND CREDIT OR REGISTRATION IN ORGANIC CHEMISTRY, OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 3/4 UNIT

53912	LECT		9		M	W	F	124	BUR HALL	OROAL & CLARK
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MCBIO 312 TECHNIQUES OF APPLIED MICROBIOLOGY.
 PREREQUISITE: CREDIT OR REGISTRATION IN MCBIO. 311.
 2 HOURS OR 1/2 UNIT

53921	LAB		10-12		M	W	F	202	BUR HALL	OROAL & CLARK
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MCBIO 327 IMMUNOCHEMISTRY.
 PREREQUISITE: CREDIT OR REGISTRATION IN BIOCHEMISTRY OR CONSENT OF INSTRUCTOR.
 5 HOURS OR 1 UNIT

53939	LECT		10		TU	TH		140	BUR HALL	VOSS AND ASSISTANTS
			11				S	140	BUR HALL	
	LAB		1-4		TU	TH		202	BUR HALL	

MCBIO 330 METABOLIC REGULATION AND GENETICS OF MICROORGANISMS.
 PREREQUISITE: MCBIO. 101 OR 201 OR EQUIVALENT, AND CREDIT OR REGISTRATION IN BIOCHEMISTRY, OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 3/4 UNIT

53947	LECT		11		M	W	F	140	BUR HALL	WOESE
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MCBIO 352 VIRUSES, II.
 SAME AS BOT. AND ZOOL. 352.
 PREREQUISITE: BOT./MCBIO./ZOOL. 351 OR CONSENT OF INSTRUCTOR;
 BIOCHEMISTRY AND CALCULUS RECOMMENDED.
 3 HOURS OR 3/4 UNIT

53955	LECT		9		M	W	F	140	BUR HALL	BLACK, MACLEOD AND REICHMANN
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COURSES FOR GRAUATES

MCBIO 402 MOLECULAR GENETICS.
 SAME AS BOT. AND ZOOL. 402.
 PREREQUISITE: MCBIO. 330 OR EQUIVALENT.
 3/4 UNIT

53963	LECT		10		M	W	F	231	N H B	HERSHBERGER
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MCBIO 409 CULTIVATION AND PROPERTIES OF MICROORGANISMS.
 PREREQUISITE: CHEM. 355 OR EQUIVALENT, CREDIT OR REGISTRATION IN MCBIO. 309 AND CONSENT OF INSTRUCTOR.
 1 UNIT

53971	LECT		1				F	140	BUR HALL	WOLIN WOLIN, KRAMER AND ASSISTANTS
	LAB		2-5		M	W	F	202	BUR HALL	

MCBIO 412 ADVANCES IN MICROBIOLOGY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 *MAY BE REPEATED FOR A MAXIMUM OF 1 UNIT.
 *1/4 UNIT
 53980 CONF ARR BUR HALL STAFF

MCBIO 419 ANIMAL VIROLOGY.
 SAME AS V. M. S. 419.
 PREREQUISITE: MCBIO. 326 AND 327 OR V. M. S. 331 AND 332;
 CHEM. 350 OR 354; CONSENT OF INSTRUCTOR.
 3/4 UNIT
 53998 LAB-DISC ARR MEYER

MCBIO 420 CHEMISTRY OF MICROBIC PROCESSES.
 PREREQUISITE: MCBIO. 309 OR 330 AND CHEM. 234 AND 350, OR
 EQUIVALENT, AND CONSENT OF INSTRUCTOR.
 3/4 UNIT
 *ONE HOUR TO BE ARRANGED.
 54004 LECT *B TU TH 140 BUR HALL DEMOSS

MCBIO 451 EXPERIMENTAL VIROLOGY AND MICROBIAL GENETICS.
 PREREQUISITE: MCBIO. 351 AND CONSENT OF INSTRUCTOR.
 1 UNIT
 *TWO HOURS TO BE ARRANGED.
 54012 LAB *3-6 TU TH 246 BUR HALL DRAKE

MCBIO 490 INDIVIDUAL PROBLEMS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 TO 2 UNITS
 54021 LAB-DISC ARR BUR HALL STAFF

MCBIO 495 SEMINAR.
 REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS MICROBIOLOGY.
 PREREQUISITE: TEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
 0 OR 1/4 UNIT
 54039 CONF 4 TH 124 BUR HALL STAFF

MCBIO 499 THESIS RESEARCH.
 0 TO 4 UNITS
 54047 CONF ARR BUR HALL STAFF

MILITARY SCIENCE

DEPARTMENT OFFICE

110 ARMORY

BASIC MILITARY CURRICULUM

ENTERING MALE STUDENTS WHO ARE PHYSICALLY QUALIFIED AND WHO HAVE
 BEEN SELECTED FOR ENROLLMENT MUST, IN ADDITION TO REQUIRED
 MILITARY SCIENCE COURSES, REGISTER IN EITHER A NATURAL SCIENCE OR
 SOCIAL SCIENCE GENERAL EDUCATION SEQUENCE ACCEPTABLE TO THE
 MILITARY SCIENCE DEPARTMENT AND THE STUDENTS COLLEGE.

COURSES FOR UNDERGRADUATES

MIL S 100 LEADERSHIP LABORATORY (FIRST SEMESTER FRESHMEN ONLY).
 PREREQUISITE: APPROVAL OF THE PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT

ATTENDANCE AT TWO CEREMONIES IS REQUIRED.

TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

*SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.

*SECTION D FOR ARMY DRILL TEAM ONLY

54055	LAB	A	3	TU	101 ARMORY	STAFF
		A	3	TU	ARMORY FLOOR	STAFF
54071	LAB	*B	4	TU	101 ARMORY	STAFF
		*B	4	TU	ARMORY FLOOR	STAFF
54063	LAB	C	7PM	TH	101 ARMORY	STAFF
		C	7PM	TH	ARMORY FLOOR	STAFF
54080	LAB	*D	8PM	M	ARMORY FLOOR	STAFF

MIL S 101 INTRODUCTION TO MILITARY SCIENCE (UNITED STATES DEFENSE ESTABLISHMENT, I).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE;
 ENROLLMENT IN MIL. S. 100.
 1 HOUR
 54098 LECT-DISC A 9 W 313 ARMORY OSBURN

MIL S 102 MILITARY MAP AND AERIAL PHOTOGRAPH ANALYSIS.
 PREREQUISITE: CREDIT OR REGISTRATION IN MIL. S. 101; REGISTRATION IN MIL. S. 125.
 1 HOUR
 54101 LECT-DISC A 9 F 313 ARMORY BUCH

MIL S 103 INTRODUCTION TO TACTICS.
 PREREQUISITE: CREDIT OR REGISTRATION IN MIL. S. 101; REGISTRATION IN MIL. S. 125.
 1 HOUR
 54110 LECT-DISC 3 W 313 ARMORY RICHARDSON

111 UNITED STATES ARMY AND NATIONAL SECURITY(UNITED STATES DEFENSE ESTABLISHMENT, II).
 CONCURRENT REGISTRATION IN MIL. S. 100 OR 125.
 1 HOUR
 54128 LECT-DISC A 9 M 300 ARMORY MEREDITH
 54136 LECT-DISC B 2 M 300 ARMORY MEREDITH
 54144 LECT-DISC C 11 TU 300 ARMORY MEREDITH
 54152 LECT-DISC D 2 TU 300 ARMORY MEREDITH
 54161 LECT-DISC E 10 W 300 ARMORY MEREDITH
 54179 LECT-DISC F 10 TH 300 ARMORY MEREDITH
 54187 LECT-DISC G 3 TH 300 ARMORY MEREDITH
 54195 LECT-DISC H 8 F 300 ARMORY MEREDITH

MIL S 125 LEADERSHIP LABORATORY (SECOND SEMESTER FRESHMEN ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT
 ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.
 *SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.
 *SECTION D FOR ARMY DRILL TEAM ONLY.
 54209 LAB A 3 TU 101 ARMORY STAFF
 54225 LAB A 3 TU ARMORY FLOOR STAFF
 54225 LAB *B 4 TU 101 ARMORY STAFF
 54225 LAB *B 4 TU ARMORY FLOOR STAFF
 54217 LAB C 7PM TH 101 ARMORY STAFF
 54217 LAB C 7PM TH ARMORY FLOOR STAFF
 54233 LAB *D 8PM M ARMORY FLOOR STAFF

MIL S 150 LEADERSHIP LABORATORY (FIRST SEMESTER SOPHOMORES ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT
 ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.
 *SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.
 *SECTION D FOR ARMY DRILL TEAM ONLY.
 54241 LAB A 3 TU 101 ARMORY STAFF
 54241 LAB A 3 TU ARMORY FLOOR STAFF
 54276 LAB *B 4 TU 101 ARMORY STAFF
 54276 LAB *B 4 TU ARMORY FLOOR STAFF
 54250 LAB C 7PM TH 101 ARMORY STAFF
 54250 LAB C 7PM TH ARMORY FLOOR STAFF
 54268 LAB *D 8PM M ARMORY FLOOR STAFF

MIL S 175 LEADERSHIP LABORATORY (SECOND SEMESTER SOPHOMORES ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT
 ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.
 *SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.
 *SECTION D FOR ARMY DRILL TEAM ONLY
 54284 LAB A 3 TU 101 ARMORY STAFF
 54284 LAB A 3 TU ARMORY FLOOR STAFF
 54306 LAB *B 4 TU 101 ARMORY STAFF
 54306 LAB *B 4 TU ARMORY FLOOR STAFF
 54292 LAB C 7PM TH 101 ARMORY STAFF
 54292 LAB C 7PM TH ARMORY FLOOR STAFF
 54314 LAB *D 8PM M ARMORY FLOOR STAFF

ADVANCED MILITARY CURRICULUM

SELECTED MALE STUDENTS WHO HAVE COMPLETED THE BASIC MILITARY COURSE OR ITS EQUIVALENT, AND WHO HAVE SATISFACTORILY PASSED PHYSICAL AND SCREENING EXAMINATIONS MAY APPLY FOR ENROLLMENT IN THE ADVANCED MILITARY CURRICULUM. EACH ADVANCED MILITARY CURRICULUM STUDENT IS PAID A SUBSISTENCE ALLOWANCE. HE MUST ATTEND ROTC SUMMER TRAINING CAMP BETWEEN HIS FIRST AND SECOND YEAR IN THE ADVANCED PROGRAM. SUCCESSFUL COMPLETION OF THE CURRICULUM BY SELECTED STUDENTS NORMALLY RESULTS IN A COMMISSION AS A SECOND LIEUTENANT, U. S. ARMY RESERVE. SELECTED STUDENTS MEETING THE REQUIREMENTS MAY BE COMMISSIONED IN THE REGULAR ARMY.

STUDENTS ENROLLED IN THE REQUIRED MILITARY SCIENCE COURSES MUST, IN ADDITION, ENROLL IN THE THIRD AND IN THE FOURTH YEAR IN AN APPROVED COURSE OF ANOTHER DEPARTMENT. SELECTION OF THESE COURSES MUST BE APPROVED BY THE MILITARY SCIENCE DEPARTMENT ADVISOR AND BE ACCEPTABLE TO THE STUDENTS MAJOR DEPARTMENT.

MIL S 200 LEADERSHIP LABORATORY (FIRST SEMESTER JUNIORS ONLY).
PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
FIELD TRIPS MAY BE REQUIRED.
0 CREDIT

ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

*SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.
*SECTION D FOR ARMY DRILL TEAM ONLY.

54322	LAB	A	3	TU	101	ARMORY	STAFF
		A	3	TU		ARMORY FLOOR	STAFF
54349	LAB	*B	4	TU	101	ARMORY	STAFF
		*B	4	TU		ARMORY FLOOR	STAFF
54331	LAB	C	7PM	TH	101	ARMORY	STAFF
		C	7PM	TH		ARMORY FLOOR	STAFF
54357	LAB	*D	8PM	M		ARMORY FLOOR	STAFF

MIL S 202 INTRODUCTORY MILITARY OPERATIONS. (FUNDAMENTALS AND DYNAMICS OF MILITARY TEAM, I).

PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE;
REGISTRATION IN MIL. S. 200 OR 225.
3 HOURS

54365	LECT-DISC	A	8	M	W	F	313	ARMORY	NEAL
54373	LECT-DISC	B	10	M	W	F	313	ARMORY	NEAL
54381	LECT-DISC	C	2	M	W	F	313	ARMORY	NEAL
54390	LECT-DISC	D	9	TU			313	ARMORY	BUCH
		D	9-11		TH		313	ARMORY	BUCH
54403	LECT-DISC	E	1-3	TU			313	ARMORY	MARK
		E	1		TH		313	ARMORY	MARK

MIL S 210 MILITARY LAW AND ADMINISTRATIVE MANAGEMENT.

PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE;
REGISTRATION IN MIL. S. 250 OR 275.
1 HOUR

54411	LECT-DISC	A	1	M			300	ARMORY	TANNER
54420	LECT-DISC	B	10	TU			300	ARMORY	TANNER
54438	LECT-DISC	C	8		W		300	ARMORY	TANNER
54446	LECT-DISC	D	1		TH		300	ARMORY	OSBURN
54454	LECT-DISC	E	9			F	300	ARMORY	OSBURN

MIL S 211 PROSEMINAR.

PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE;
REGISTRATION IN MIL. S. 250 OR 275.
2 HOURS

54462	DISC	A	10	M			300	ARMORY	ERNEST
	LECT	A	730-930PM	TU			101	ARMORY	ERNEST
54471	DISC	B	8	TU			300	ARMORY	ERNEST
	LECT	B	730-930PM	TU			101	ARMORY	ERNEST
54489	DISC	C	1		W		300	ARMORY	ERNEST
	LECT	C	730-930PM	TU			101	ARMORY	ERNEST
54497	DISC	D	9		TH		300	ARMORY	ERNEST
	LECT	D	730-930PM	TU			101	ARMORY	ERNEST
54501	DISC	E	11			F	300	ARMORY	ERNEST
	LECT	E	730-930PM	TU			101	ARMORY	ERNEST

MIL S 225 LEADERSHIP LABORATORY (SECOND SEMESTER JUNIORS ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT

ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

*SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.

*SECTION D FOR ARMY DRILL TEAM ONLY.

54519	LAB	A	3	TU	101 ARMORY	STAFF
		A	3	TU	ARMORY FLOOR	STAFF
54535	LAB	*B	4	TU	101 ARMORY	STAFF
		*B	4	TU	ARMORY FLOOR	STAFF
54527	LAB	C	7PM	TH	101 ARMORY	STAFF
		C	7PM	TH	ARMORY FLOOR	STAFF
54543	LAB	*D	8PM	M	ARMORY FLOOR	STAFF

MIL S 250 LEADERSHIP LABORATORY (FIRST SEMESTER SENIORS ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT

ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

*SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.

*SECTION D FOR ARMY DRILL TEAM ONLY.

54551	LAB	A	3	TU	101 ARMORY	STAFF
		A	3	TU	ARMORY FLOOR	STAFF
54578	LAB	*B	4	TU	101 ARMORY	STAFF
		*B	4	TU	ARMORY FLOOR	STAFF
54560	LAB	C	7PM	TH	101 ARMORY	STAFF
		C	7PM	TH	ARMORY FLOOR	STAFF
54586	LAB	*D	8PM	M	ARMORY FLOOR	STAFF

MIL S 275 LEADERSHIP LABORATORY (SECOND SEMESTER SENIORS ONLY).
 PREREQUISITE: APPROVAL OF PROFESSOR OF MILITARY SCIENCE.
 FIELD TRIPS MAY BE REQUIRED.
 0 CREDIT

ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
 TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

*SECTION B FOR MS III LEADERSHIP PROGRAM ONLY.

*SECTION D FOR ARMY DRILL TEAM ONLY.

54594	LAB	A	3	TU	101 ARMORY	STAFF
		A	3	TU	ARMORY FLOOR	STAFF
54616	LAB	*B	4	TU	101 ARMORY	STAFF
		*B	4	TU	ARMORY FLOOR	STAFF
54608	LAB	C	7PM	TH	101 ARMORY	STAFF
		C	7PM	TH	ARMORY FLOOR	STAFF
54624	LAB	*D	8PM	M	ARMORY FLOOR	STAFF

MINING ENGINEERING

DEPARTMENT OFFICE

201 M M B

COURSES FOR UNDERGRADUATES

MIN E 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

54632 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MIN E 302 WORLD MINERAL ECONOMICS.

PREREQUISITE: SENIOR STANDING.

3 HOURS, OR 3/4 OR 1 UNIT

54641 LECT-DISC 1 M W F 119 M M B

MIN E 393 SPECIAL PROBLEMS.
PREREQUISITE: CONSENT OF INSTRUCTOR.
0 TO 4 HOURS, OR 0 TO 1 UNIT
54675 CONF ARR

COURSES FOR GRADUATES

MIN E 497 SPECIAL PROBLEMS.
PREREQUISITE: CONSENT OF INSTRUCTOR.
0 TO 2 UNITS
54683 OISC 2 M W F 403 M M B

MIN E 499 THESIS RESEARCH.
O TO 4 UNITS
54691 CONF ARR

MODERN GREEK

DEPARTMENT OFFICE

309H 0 H

COURSES FOR ADVANCED UNDERGRADUATES

M GRK 202 ELEMENTARY MODERN GREEK, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK
IN THE LANGUAGE LABORATORY.
5 HOURS
54705 LECT-DISC ARR

PAPANIKOLAOU

M GRK 204 INTERMEDIATE MODERN GREEK, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOURS WORK PER WEEK
IN THE LANGUAGE LABORATORY.
PREREQUISITE: M. GRK. 203 OR EQUIVALENT.
5 HOURS
54713 LECT-DISC ARR

PAPANIKOLAOU

MODERN HEBREW

DEPARTMENT OFFICE

309H O H

COURSES FOR ADVANED UNDERGRADUATES

M HBR 202 ELEMENTARY MODERN HEBREW, II.

PREREQUISITE: M. HBR. 201.

5 HOURS

54721	LECT-DISC	8	MTUWTHF	311	O H	
		9	M W F	125	O K H	

BOLOZKY
BOLOZKY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

M HBR 303 INTERMEDIATE MODERN HEBREW, I.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK PER WEEK IN THE LANGUAGE LABORATORY.

PREREQUISITE: M. HBR. 202 OR EQUIVALENT.

5 HOURS OR 1 UNIT

54730	LECT-DISC	9	MTUW F	311	O H	
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BOLOZKY

M HBR 304 INTERMEDIATE MODERN HEBREW, II.

ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK PER WEEK IN THE LANGUAGE LABORATORY.

PREREQUISITE: M. HBR. 303 OR EQUIVALENT.

5 HOURS OR 1 UNIT

54748	LECT-DISC	ARR				
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BOLOZKY

MUSIC

DEPARTMENT OFFICE

100 S M H

COURSES FOR UNDERGRAUATES

MUSIC 100 RUDIMENTS OF THEORY.

2 HOURS

54756	LECT-DISC A	8	M W F	106	S M H	
54764	LECT-DISC B	9	M W F	106	S M H	
54772	LECT-DISC C	11	M W F	106	S M H	

ROSENFELD
ROSENFELD
BROOKS

MUSIC 101 THEORY OF MUSIC, I.

PREREQUISITE: FOR NON-MUSIC STUDENTS, MUSIC 100 OR EQUIVALENT.

3 HOURS

*ADDITIONAL ONE-HALF HOUR LAB SESSIONS TO BE ARRANGED DAILY.

54781	LECT-DISC A	*8	MTUWTHF	8	S A	
54799	LECT-DISC B	*9	MTUWTHF	103	S M H	

BROOKS
BROOKS

MUSIC 102 THEORY OF MUSIC, II.

PREREQUISITE: MUSIC 101.

3 HOURS

54802	LECT-DISC A	8	M W F	103	S M H	
54811	LECT-DISC B	9	M W F	100	S H	
54829	LECT-DISC C	10	M W F	8	S A	
54837	LECT-DISC D	1	M W F	8	S A	
54845	LECT-DISC E	2	M W F	103	S M H	
54853	LECT-DISC F	3	M W F	106	S M H	

BLATTER
BLATTER
POWELL
NEWELL
NEWELL
EBERHARD

MUSIC 103 THEORY OF MUSIC, III.

PREREQUISITE: MUSIC 102.

3 HOURS

54861	LECT-DISC A	9	M W F	8	S A	
54870	LECT-DISC B	3	M W F	103	S M H	

COHEN
FREDRICKSON

MUSIC 104 THEORY OF MUSIC, IV.

PREREQUISITE: MUSIC 103.

3 HOURS

54888	LECT-DISC	A	8	M W F	102	S H	KAMM
54896	LECT-DISC	B	9	M W F	102	S H	BRUCE
54900	LECT-DISC	C	10	M W F	102	S H	YANNAY
54918	LECT-DISC	D	1	M W F	100	S H	NEWELL
54926	LECT-DISC	E	2	M W F	100	S H	MADDEN
54934	LECT-DISC	F	3	M W F	8	S A	SARGENT

MUSIC 106 COMPOSITION.

PREREQUISITE: QUALIFYING EXAMINATION IN COMPOSITION, TO BE ADMINISTERED BY THE THEORY-COMPOSITION FACULTY.

2 HOURS

54942	CONF	A	ARR		201	T A	BINKERD
54951	CONF	B	ARR		203	T A	POWELL
54969	CONF	C	ARR		305	S H	KELLY
54977	CONF	D	ARR		206	T A	LDNDDN
54985	CONF	E	ARR		200	T A	MARTIRANO
54993	CONF	F	ARR		206	T A	FREDRICKSON

MUSIC 107 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, I.

PREREQUISITE: MUSIC 101.

1 HOUR

55000	LAB-DISC	A	8	TU TH	103	S M H	BLATTER
55018	LAB-DISC	B	9	TU TH	100	S H	BLATTER
55026	LAB-DISC	C	10	TU TH	8	S A	POWELL
55034	LAB-DISC	D	1	TU TH	8	S A	NEWELL
55042	LAB-DISC	E	2	TU TH	103	S M H	NEWELL
55051	LAB-DISC	F	3	TU TH	106	S M H	EBERHARD

MUSIC 108 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, II.

PREREQUISITE: MUSIC 107.

1 HOUR

55069	LAB-DISC	A	9	TU TH	8	S A	COHEN
55077	LAB-DISC	B	3	TU TH	103	S M H	FREDRICKSON

MUSIC 109 EAR TRAINING, SIGHT SINGING AND KEYBOARD HARMONY, III.

PREREQUISITE: MUSIC 108.

1 HOUR

55085	LAB-DISC	A	8	TU TH	102	S H	KAMM
55093	LAB-DISC	B	9	TU TH	102	S H	BRUCE
55107	LAB-DISC	C	10	TU TH	102	S H	YANNAY
55115	LAB-DISC	D	1	TU TH	100	S H	BROOKS
55123	LAB-DISC	E	2	TU TH	100	S H	MADDEN
55131	LAB-DISC	F	3	TU TH	8	S A	SARGENT

MUSIC 110 BASIC MUSIC LITERATURE.

REQUIRED OF FRESHMEN IN MUSIC.

2 HOURS

STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

55140	LECT		10	M W	25	S M H	WARD
55158	QUIZ	A	3	TU TH	104	1203 W NEV	
55166	QUIZ	B	7PM	TU TH	100	S H	
55174	QUIZ	C	8	M W	116	1203 W NEV	

MUSIC 115 INTRODUCTION TO OPERA.

PREREQUISITE: SOPHOMORE STANDING.

2 HOURS

55182	LECT-DISC	A	2	M W	25	S M H	ZIRNER
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MUSIC 121 THE THEORY AND HISTORY OF MUSIC, II.

PREREQUISITE: MUSIC 120 AND CONSENT OF INSTRUCTOR.

6 HOURS

55191	LECT-DISC	A	1-3	MTUWTHF	106	S M H	BRUCE, THOMAS AND DARCY
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MUSIC 130 INTRODUCTION TO THE ART OF MUSIC, I.
FOR NON-MUSIC STUDENTS ONLY.

4 HOURS

STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

TEMPERLEY

55204	LECT		11	M W F	25	S M H	
86799	QUIZ	A	4	M W	104	1203 W NEV	
55212	QUIZ	B	4	TU TH	104	1203 W NEV	
55221	QUIZ	C	2	TU TH	116	1203 W NEV	
55239	QUIZ	D	11	TU TH	116	1203 W NEV	
55247	QUIZ	E	7PM	M W	104	1203 W NEV	
55255	QUIZ	F	7PM	TU TH	104	1203 W NEV	
55263	QUIZ	G	12	TU TH	104	1203 W NEV	
55271	QUIZ	H	12	M W	104	1203 W NEV	

MUSIC 131 INTRODUCTION TO THE ART OF MUSIC, II.

FOR NON-MUSIC STUDENTS ONLY.

PREREQUISITE: MUSIC 130.

4 HOURS

STUDENTS IN LECTURE A MUST REGISTER FOR ONE OF THE QUIZ SECTIONS A1 THROUGH E. STUDENTS IN LECTURE B MUST REGISTER FOR ONE OF THE QUIZ SECTIONS F THROUGH I.

GODT
WARD

55280	LECT	A	9	M W F	25	S M H	
55336	LECT	B	4	M W F	25	S M H	
86802	QUIZ	A1	7PM	M W	100	S H	
55298	QUIZ	B	7PM	TU TH	201	H A	
55301	QUIZ	C	11	M W	103	S M H	
55310	QUIZ	D	11	TU TH	103	S M H	
55328	QUIZ	E	9	TU TH	25	S M H	
55344	QUIZ	F	2	TU TH	25	S M H	
55352	QUIZ	G	8PM	M W	104	1203 W NEV	
55361	QUIZ	H	11	TU TH	104	1203 W NEV	
55379	QUIZ	I	7PM	W F	102	S H	

MUSIC 142 ELEMENTS OF CONDUCTING.

PREREQUISITE: SOPHOMORE STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.

2 HOURS

DUKER
PAINTER

55387	LECT-DISC	A	9	M W F	167	BAND	
55395	LECT-DISC	B	3	M W F	5	S M H	

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 200 INSTRUMENTATION, I.

PREREQUISITE: SENIOR STANDING IN MUSIC.

2 HOURS

PAINTER
FREDRICKSON

55409	LECT-DISC	A	10	TU TH	100	S H	
55417	LECT-DISC	B	2	TU TH	203	T A	

MUSIC 201 INSTRUMENTATION, II.

REQUIRED OF COMPOSITION MAJORS.

PREREQUISITE: MUSIC 200 OR CONSENT OF INSTRUCTOR.

2 HOURS

JOHNSTON AND
COMPOSITION
FACULTY

55425	CONF	A	ARR		305	S H	
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MUSIC 214 THE HISTORY OF MUSIC, II.

REQUIRED OF SOPHOMORES IN MUSIC.

PREREQUISITE: MUSIC 213.

3 HOURS

STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

KELLMAN
TIFFANY
TIFFANY
TIFFANY
TIFFANY

55433	LECT		1	M W F	25	S M H	
55441	QUIZ	A	7PM	M W	103	S M H	
55450	QUIZ	B	7PM	TU TH	103	S M H	
55468	QUIZ	C	4	M W	106	S M H	
55476	QUIZ	D	1	TU TH	25	S M H	

MUSIC 229 THESIS AND ADVANCED UNDERGRADUATE HONORS IN MUSIC.

PREREQUISITE: SENIOR STANDING IN THE HISTORY OF MUSIC OR COMPOSITION-THEORY, OR CONSENT OF INSTRUCTOR.

2 HOURS

*HONORS SECTION.

JOHNSTON,
KELLMAN AND
STAFF

55484	CONF	A	ARR				
55492	CONF	*&B	ARR				

MUSIC 230 CHORAL LITERATURE AND CONDUCTING, I.
PREREQUISITE: MUSIC 142.
2 HOURS
55506 LAB-DISC A 10 M W F CHOS RHRSL KRAN J. SMITH
A 11 M F CHOS RHRSL KRAN

MUSIC 231 CHORAL LITERATURE AND CONDUCTING, II.
PREREQUISITE: MUSIC 230.
2 HOURS
55514 LAB-DISC A 10 M W F ENSEMBLE A KRAN JONES
A 11 M F CHOS RHRSL KRAN
55522 LAB-DISC B 10 M W F ENSEMBLE B KRAN OLSON
B 11 M F CHOS RHRSL KRAN

MUSIC 233 INSTRUMENTAL LITERATURE AND CONDUCTING, II.
PREREQUISITE: MUSIC 142.
2 HOURS
55531 LAB-DISC A 10 M W 5 S M H PAINTER
A 10 F 25 S M H

MUSIC 240 MUSIC FOR ELEMENTARY TEACHERS, I.
PREREQUISITE: JUNIOR STANDING IN ELEMENTARY EDUCATION OR CONSENT
OF INSTRUCTOR. REQUIRED FOR STATE ELEMENTARY SCHOOL CERTIFICATE
BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.
55549 LECT 12 M 25 S M H BERGETHON
55557 QUIZ A 3 M W 100 S H PATTERSON
55565 QUIZ B 3 M W 102 S H KEENAN
55573 QUIZ C 3 TU TH 100 S H HOLT
55581 QUIZ D 11 TU TH 100 S H LANE

MUSIC 241 MUSIC FOR ELEMENTARY TEACHERS, II.
PREREQUISITE: MUSIC 240. REQUIRED FOR STATE ELEMENTARY SCHOOL
CERTIFICATE BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.
55590 LECT 12 W 25 S M H BERGETHON
55603 QUIZ A 4 M W 100 S H PATTERSON
55611 QUIZ B 4 M W 102 S H HOLT
55620 QUIZ C 4 TU TH 100 S H PATTERSON
55638 QUIZ D 4 TU TH 102 S H HOLT
55646 QUIZ E 2 TU TH 102 S H KEENAN
55654 QUIZ F 3 TU TH 102 S H PATTERSON
55662 QUIZ G 11 TU TH 102 S H JARRETT

MUSIC 242 TEACHING MUSIC IN THE ELEMENTARY SCHOOL.
PREREQUISITE: JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF
INSTRUCTOR.
3 HOURS
55671 LECT-DISC A 2 M WTHF 104 1203 W NEV R. THOMAS

MUSIC 243 TEACHING MUSIC IN THE JUNIOR HIGH SCHOOL.
PREREQUISITE: JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF
INSTRUCTOR.
3 HOURS
55689 LECT-DISC A 2 M W F 102 S H ZIMMERMAN

MUSIC 244 TEACHING OF INSTRUMENTAL MUSIC.
PREREQUISITE: CONSENT OF INSTRUCTOR.
2 HOURS
*SECTION A--FOR THE INSTRUMENTAL EMPHASIS PROGRAM.
*SECTION B--FOR THE CHORAL EMPHASIS PROGRAM.
WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
55697 LAB-DISC *A 2 MTWTHF 5 S M H COLWELL
*A 4 M 5 S M H
55701 LAB-DISC *B 1 MTWTHF 5 S M H KOHUT
*B 4 M 5 S M H

MUSIC 246 TEACHING OF CHORAL MUSIC.
 PREREQUISITE: JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
 2 HOURS
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

55719	LAB-DISC	A	3	M	W	F	25	S	M	H	JONES
			11	M	W	F		CHOS	RHRS	KRAN	
55727	LAB-DISC	B	3	M	W	F	104	1203	W	NEV	MOLISON
		B	11	M		F		CHOS	RHRS	KRAN	

MUSIC 249 BASIC MUSICIANSHIP FOR PRE-SCHOOL TEACHERS, II.
 PREREQUISITE: MUSIC 248.
 3 HOURS

55735	LAB-DISC	A	4	TUWTHF	116	1203	W	NEV	SMITH
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 301 FUGUE.
 PREREQUISITE: MUSIC 300 AND/OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT

55743	LECT-DISC	A	1	M	W	F	104	1203	W	NEV	HUNTER
55751	LECT-DISC	B	2	M	W	F	8	S	A	BINKERO	
55760	LECT-DISC	C	3	M	W	F	116	1203	W	NEV	KELLY
55778	LECT-DISC	D	1	M	W	F	103	S	M	H	JOHNSTON

MUSIC 302 MUSICAL ACOUSTICS, I.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT

55786	LAB-DISC	A	1	M	W		102	S	H	BEAUCHAMP
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MUSIC 304 CONTEMPORARY COMPOSITIONAL TECHNIQUES.
 PREREQUISITE: MUSIC 104, 106, 109, OR CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 *SECTION A--COMPOSITION WITH TAPE.
 *SECTION B--COMPOSITION FOR JAZZ GROUPS.
 *SECTION C--EXPERIMENTAL ORCHESTRATION.
 *SECTION D--COMPOSITION FOR DANCE.

55794	LECT-DISC	*A	ARR				301	S	H	ROSENBERG
55808	LECT-DISC	*B	ARR				205	T	A	POWELL
55816	LECT-DISC	*C	ARR				206	T	A	MARTIRANO
55824	LECT-DISC	*D	9	M	W	F	901	W	ILLINOIS	JOHNSTON

MUSIC 306 COMPOSITION.
 PREREQUISITE: MUSIC 104 OR 106 OR CONSENT OF INSTRUCTOR.
 2 TO 4 HOURS, OR 1/2 OR 1 UNIT

55832	CONF	A	ARR				201	T	A	BINKERO
55841	CONF	B	ARR				205	T	A	POWELL
55859	CONF	C	ARR				200	T	A	KELLY
55867	CONF	D	ARR				206	T	A	LONDON
55875	CONF	E	ARR				206	T	A	MARTIRANO
55883	CONF	F	ARR				203	T	A	FREDRICKSON
55891	LECT-DISC	H	1	M	W		206	T	A	MARTIRANO
55905	LECT-DISC	I	3	TU	TH		206	T	A	LONDON

MUSIC 307 COUNTERPOINT OF THE FIFTEENTH AND SIXTEENTH CENTURIES, I.
 PREREQUISITE: JUNIOR STANDING IN MUSIC, OR CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT

55913	LECT-DISC	A	4	M	W		8	S	A	BINKERO
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MUSIC 311 MUSIC IN THE RENAISSANCE.
 PREREQUISITE: MUSIC 131 OR 214 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 *TWO ADDITIONAL HOURS MAY BE ARRANGED IN THE LISTENING LABORATORY
 AT 7-9 PM TUESDAY, ROOM 25 SMITH MEMORIAL HALL.

55921	LECT-DISC	A	*9	M	W	F	104	1203	W	NEV	WARD
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MUSIC 313 MUSIC OF THE EIGHTEENTH CENTURY.
 PREREQUISITE: MUSIC 131 OR 214, OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 *TWO ADDITIONAL HOURS MAY BE ARRANGED IN THE LISTENING LABORATORY
 AT 7-9 PM THURSDAY, ROOM 25 SMITH MEMORIAL HALL.

55930	LECT-DISC	A	*10	M	W	F	104	1203	W	NEV	FRUM
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MUSIC 315	MUSIC OF THE TWENTIETH CENTURY.									
	PREREQUISITE: MUSIC 131 OR 214, OR CONSENT OF INSTRUCTOR.									
	3 HOURS OR 1/2 UNIT									
55948	LECT-DISC	A	10	M W F	106	S M H			HAMM	
MUSIC 316	INTRODUCTION TO MUSIC OF THE WORLD'S CULTURES.									
	SAME AS ANTH. 316.									
	FOR STUDENTS OUTSIDE THE SCHOOL OF MUSIC.									
	PREREQUISITE: ANTH. 103 OR CONSENT OF INSTRUCTOR.									
	3 HOURS OR 1/2 UNIT									
55956	LECT-DISC	A	9	M W F	116	1203 W NEV			NETTL	
MUSIC 317	AREA STUDIES IN ETHNOMUSICOLOGY.									
	SAME AS ANTH. 315.									
	PREREQUISITE: SENIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.									
	*STUDENTS MAY ACCUMULATE 12 HOUR, OR 2 UNITS									
	*3 HOURS OR 1/2 UNIT									
	TOPIC: MUSIC OF IRAN.									
55964	LECT-DISC	A	2-4	TH	101	H A			NETTL	
MUSIC 319	HISTORY OF PERFORMANCE PRACTICES, II.									
	PREREQUISITE: SENIOR STANDING IN MUSIC THEORY AND MUSIC HISTORY OR									
	CONSENT OF INSTRUCTOR.									
	3 HOURS OR 1/2 UNIT									
55972	LECT-DISC	A	1	TU TH	103	S M H			HUNTER	
MUSIC 330	APPLIED MUSIC PEDAGOGY.									
	PREREQUISITE: JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.									
	*STUDENTS MAY ACCUMULATE 4 HOURS, OR 1 UNIT									
	*2 HOURS OR 1/2 UNIT									
	SECTION A IS FOR PIANO MAJORS. SECTION B IS FOR STRING MAJORS.									
	SECTION C IS FOR VOICE MAJORS.									
55999	LAB-DISC	A	3-5	W	3	P A			LYKE	
56005	LAB-DISC	B	4-6	TH	202	S A			ROLLAND AND	
56013	LAB-DISC	C	9-11	TH	200A	S M H			BURDETTE AND	
									VOICE FACULTY	
MUSIC 336	MUSIC IN LATIN AMERICA.									
	PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR.									
	*MAXIMUM ACCUMULATED CREDIT, 2 UNITS.									
	*3 HOURS, OR 1/2 OR 1 UNIT									
	TOPIC: MUSIC OF BRAZIL, ARGENTINA, URUGUAY.									
56021	LECT-DISC	A	11	M W F	201	H A			BEHAGUE	
MUSIC 341	ADVANCED INSTRUMENTAL ADMINISTRATION.									
	PREREQUISITE: ADVANCED UNDERGRADUATE OR GRADUATE WITH MAJOR WORK OR									
	EXPERIENCE IN BAND OR ORCHESTRA.									
	4 HOURS OR 1 UNIT									
	*ONE ADDITIONAL HOUR TO BE ARRANGED									
56030	LECT-DISC	A	*9-11	W F	228	BAND			KISINGER	
MUSIC 344	METHODS OF STRING CLASS TEACHING.									
	PREREQUISITE: SENIOR OR GRADUATE STANDING IN MUSIC EDUCATION OR									
	CONSENT OF INSTRUCTOR.									
	2 HOURS OR 1/2 UNIT									
56048	LECT-DISC	A	7-9PM	M W	8	S A			D MILLER	
MUSIC 345	TEACHING TECHNIQUES OF MUSIC THEORY.									
	PREREQUISITE: MUSIC 300 OR CONSENT OF INSTRUCTOR.									
	2 HOURS OR 1/2 UNIT									
56056	LECT-DISC	A	2	M W	116	1203 W NEV			CARTER	
MUSIC 346	WORKSHOP IN MUSIC EDUCATION.									
	PREREQUISITE: SENIOR OR GRADUATE STANDING IN MUSIC EDUCATION OR									
	CONSENT OF INSTRUCTOR.									
	*STUDENTS MAY ACCUMULATE TWO UNITS.									
	*2 OR 4 HOURS, OR 1/2 OR 1 UNIT									
	TOPIC: GENERAL MUSIC IN ELEMENTARY SCHOOLS.									
56064	LECT-DISC	A	7-9PM	TU	116	1203 W NEV			R THOMAS	

COURSES FOR GRADUATES

MUSIC 401	ADVANCED INSTRUMENTATION-BANO.								
	PREREQUISITE: UNDERGRADUATE INSTRUMENTATION.								
	1/2 OR 1 UNIT								
56072	LECT-DISC A	1-3	TU TH	167	BAND			HINOSLEY	
MUSIC 406	COMPOSITION.								
	1/2 TO 1 1/2 UNITS								
56081	CONF A	ARR		201	T A			BINKERD	
56099	CONF B	ARR		203	T A			FREDRICKSON	
56102	CONF C	ARR		200	T A			KELLY	
56111	CONF D	ARR		206	T A			LONDON	
56129	CONF E	ARR		206	T A			MARTIRANO	
MUSIC 413	HISTORY OF MUSICAL AESTHETICS, II.								
	PREREQUISITE: MUSIC 412.								
	1/2 OR 1 UNIT								
56137	LECT-DISC A	9-12	TH	101	H A			RINGER	
MUSIC 415	NOTATION, II.								
	PREREQUISITE: MUSIC 414 OR CONSENT OF INSTRUCTOR.								
	1/2 UNIT								
56145	LECT-DISC A	2-4	W	101	H A			HAMM	
MUSIC 417	HISTORY OF INSTRUMENTAL MUSIC FROM 1600 TO 1750.								
	PREREQUISITE: MUSIC 416 OR CONSENT OF INSTRUCTOR.								
	1/2 OR 1 UNIT								
56153	LECT-DISC A	2-4	M	201	H A			FRUM	
	A	2	W	201	H A				
MUSIC 419	THE HISTORY OF OPERA FROM MOZART TO THE PRESENT.								
	PREREQUISITE: MUSIC 312 AND 313 OR CONSENT OF INSTRUCTOR.								
	1/2 OR 1 UNIT								
56161	LECT-DISC A	10	M W F	101	H A			TEMPERLEY	
MUSIC 430	ADVANCED ORCHESTRA CONDUCTING AND LITERATURE.								
	PREREQUISITE: PREVIOUS CONDUCTING EXPERIENCE.								
	1 UNIT								
56170	LECT-DISC A	11	W F	100	S H			GOODMAN	
MUSIC 434	PIANO LITERATURE.								
	PREREQUISITE: BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC								
	EDUCATION, OR CONSENT OF INSTRUCTOR.								
	*STUDENTS MAY ACCUMULATE TWO UNITS.								
	*1 UNIT								
56188	LECT-DISC A	2-4	TU TH	206	S M H			STRAVINSKY	
MUSIC 435	VOCAL LITERATURE.								
	PREREQUISITE: BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC								
	EDUCATION, OR CONSENT OF INSTRUCTOR.								
	*STUDENTS MAY ACCUMULATE TWO UNITS.								
	*1 UNIT								
56196	LECT-DISC A	1-3	W F	215	S M H			KELLOGG	
MUSIC 436	ORGAN LITERATURE.								
	PREREQUISITE: BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC								
	EDUCATION, OR CONSENT OF INSTRUCTOR.								
	*STUDENTS MAY ACCUMULATE TWO UNITS.								
	*1 UNIT								
56200	LECT-DISC A	ARR		200	S M H			PETTINGA	
MUSIC 437	STRING INSTRUMENT LITERATURE.								
	PREREQUISITE: BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC								
	EDUCATION, OR CONSENT OF INSTRUCTOR.								
	*STUDENTS MAY ACCUMULATE TWO UNITS.								
	*1 UNIT								
56218	LECT-DISC A	2-4	TU TH	102	S A			FARRELL	

MUSIC 438 WIND INSTRUMENT LITERATURE.
STUDENTS MAY ACCUMULATE TWO UNITS.
1 UNIT
*SECTION A--WOODWIND AND SECTION B--BRASS.

56226	LECT-DISC *A	9-11	W F	2	S M H	EDLEFSEN
56234	LECT-DISC *B	9-11	TU TH	141	BAND	KISINGER

MUSIC 439 PERCUSSION INSTRUMENT LITERATURE.
PREREQUISITE: GRADUATE STANDING IN THE SCHOOL OF MUSIC AND
CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

56242	CONF	A	ARR	6	S M H	
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MUSIC 441 FOUNDATIONS AND PRINCIPLES OF MUSIC EDUCATION, II.
1/2 OR 1 UNIT

56251	LECT-DISC A	9-11	TU	104	1203 W NEV	LEONHARD
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MUSIC 442 THE GENERAL MUSIC PROGRAM IN SECONDARY SCHOOLS.
PREREQUISITE: GRADUATE STANDING IN MUSIC EDUCATION.
1/2 OR 1 UNIT

56269	LECT-DISC A	1-3	TU	104	1203 W NEV	LEONHARD, ZIMMERMAN
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MUSIC 445 MUSIC IN HIGHER EDUCATION.
PREREQUISITE: GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION.
1/2 OR 1 UNIT

86911	LECT-DISC A	9-11	TH	116	1203 W NEV	BERGETHON
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MUSIC 447 SEMINAR IN EXPERIMENTAL MUSIC, II.
PREREQUISITE: MUSIC 446 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

56277	LECT-DISC A	11	M W	102	S H	ROSENBERG
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MUSIC 451 HISTORY OF VOCAL ENSEMBLE AND CHORAL MUSIC, II.
1 UNIT

56285	LECT-DISC A	9-11	TU TH	201	H A	GODT
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APPLIED MUSIC

NOTE: STUDENTS IN MUSIC CURRICULA RECEIVE THREE OR FOUR HOURS FOR THEIR MAJOR OR PRINCIPAL SUBJECT.

AS A PART OF THE REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE, SENIOR STUDENTS MUST PRESENT A PUBLIC RECITAL WHICH MEETS WITH SCHOOL OF MUSIC FACULTY APPROVAL AND CONFORMS WITH DEPARTMENTAL REQUIREMENTS.

MUSIC STUDENTS RECEIVE TWO HOURS CREDIT FOR THEIR MINOR OR SECONDARY SUBJECT.

STUDENTS FROM OTHER COLLEGES RECEIVE TWO HOURS CREDIT FOR WORK IN APPLIED MUSIC IF IN ACCORDANCE WITH THE REGULATIONS OF THEIR COLLEGE.
PASSING OF A PERFORMING EXAMINATION IS REQUIRED AS A PREREQUISITE TO THE INITIAL REGISTRATION IN ANY APPLIED MUSIC COURSE.

APPLIED MUSIC COURSES FOR UNDERGRADUATES

MUSIC 180		PIANO.					
	2 OR 4 HOURS						
56293	CONF	A	ARR	209	S M H	KARP	
56307	CONF	B	ARR	202	S H	BAKER	
56315	CONF	C	ARR	112	S M H	FLETCHER	
56323	CONF	D	ARR	206	S M H	STRAVINSKY	
56331	CONF	E	ARR	201	S M H	SANDERS	
56340	CONF	F	ARR	205	S M H	HEILES	
56358	CONF	G	ARR	204	S M H	RAFOLS	
56366	CONF	H	ARR	205	S H	KELLER	
56374	CONF	I	ARR	103	P A	COBB	
56382	CONF	J	ARR	104	P A	M DARCY	
56391	CONF	K	ARR	104	P A	JOSEPH	
56404	CONF	L	ARR	106	P A	HRUBY	
56412	CONF	M	ARR	205	S H	PINZARRONE	
MUSIC 181		VOICE.					
	2 OR 3 HOURS						
56421	CONF	A	ARR	203	S M H	BAILEY	
56439	CONF	B	ARR	207	S M H	ELYN	
56447	CONF	C	ARR	202	S M H	CLARK	
56455	CONF	D	ARR	211	S M H	FOOTE	
56463	CONF	E	ARR	215	S M H	KELLOGG	
56471	CONF	F	ARR	200A	S M H	W MILLER	
56480	CONF	G	ARR	2008	S M H	BURDETTE	
56498	CONF	H	ARR	210	S M H	REYNOLDS	
56501	CONF	I	ARR	210	S H	WILSON	
56510	CONF	J	ARR	206	S H	CRAWFORD	
56528	CONF	K	ARR	204	S H	VICKERMAN	
56536	CONF	L	ARR	204	S H	LAQUET	
56544	CONF	M	ARR	203	S H	LARSON	
56552	CONF	N	ARR	203	S H	THORNE	
MUSIC 182		ORGAN.					
	2 OR 4 HOURS						
56561	CONF	A	ARR	200	S M H	PETTINGA	
56579	CONF	B	ARR	200	S M H	HAMILTON	
56587	CONF	C	ARR	105	S M H	PETERS	
MUSIC 183		VIOLIN.					
	2 OR 4 HOURS						
56595	CONF	A	ARR	202	S A	ROLLAND	
56609	CONF	B	ARR	208	S A	SCHMITT	
56617	CONF	C	ARR	205	S A	FARMER	
MUSIC 184		VIOLA.					
	2 OR 4 HOURS						
56625	CONF	A	ARR	203	S A	GARVEY	
56633	CONF	B	ARR				
MUSIC 185		CELLO.					
	2 OR 4 HOURS						
56641	CONF	A	ARR	201	S A	SWENSON	
56650	CONF	B	ARR	105	S A	FARRELL	
MUSIC 186		STRING BASS.					
	2 OR 4 HOURS						
56668	CONF	A	ARR	9	S M H	KROLICK	
MUSIC 187		FLUTE.					
	2 OR 4 HOURS						
56676	CONF	A	ARR	10	S M H	DELANEY	
56684	CONF	B	ARR	10	S M H	TESSIN	
MUSIC 188		CLARINET.					
	2 OR 4 HOURS						
56692	CONF	A	ARR	11	S M H	MCDOWELL	
56706	CONF	B	ARR	12	S M H	COGGINS	
56714	CONF	C	ARR	12	S M H	DEROCHE	

MUSIC 189	OBOE.						
2 OR 4 HOURS							
56722	CONF	A	ARR		2	S M H	EDLEFSEN
MUSIC 190	BASSOON.						
2 OR 4 HOURS							
56731	CONF	A	ARR		203	S H	BERRY
MUSIC 191	CORNET AND TRUMPET.						
2 OR 4 HOURS							
56749	CONF	A	ARR		14	S M H	SEXTON
56757	CONF	B	ARR		14	S M H	BARROW
MUSIC 192	FRENCH HORN.						
2 OR 4 HOURS							
56765	CONF	A	ARR		4	S M H	HOLDEN
MUSIC 193	TROMBONE.						
2 OR 4 HOURS							
56773	CONF	A	ARR		8	S M H	GRAY
MUSIC 194	BARITONE.						
2 OR 4 HOURS							
56781	CONF	A	ARR		207	P A	PERANTONI
MUSIC 195	TUBA.						
2 OR 4 HOURS							
56790	CONF	A	ARR		207	P A	PERANTONI
MUSIC 196	PERCUSSION.						
2 OR 4 HOURS							
56803	CONF	A	ARR		6	S M H	SIWE
56811	CONF	B	ARR		6	S M H	FAIRCHILD
56820	CONF	C	ARR		6	S M H	BRAUGHAM
MUSIC 197	HARP.						
2 OR 4 HOURS							
56838	CONF	A	ARR		113	S M H	ROSENFELD
MUSIC 198	ALTO SAXOPHONE.						
2 OR 4 HOURS							
56846	CONF	A	ARR		12	S M H	COGGINS
MUSIC 199	HARPSICHOED.						
2 OR 4 HOURS							
56854	CONF	A	ARR		101	S M H	HUNTER

APPLIED MUSIC COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PREREQUISITE: FOR STUDENTS IN THE BACHELOR OF MUSIC CURRICULUM, JUNIOR STANDING IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN MUSIC EDUCATION, COMPLETION OF THE CURRICULAR REQUIREMENT IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN OTHER COLLEGES OF THE UNIVERSITY, COMPLETION OF FOUR SEMESTERS IN THE COMPARABLE APPLIED MUSIC COURSE AT THE 100 LEVEL. QUALIFYING EXAM FOR TRANSFER STUDENTS.

MUSIC 380	PIANO.						
2 OR 4 HOURS, OR 1/2 OR 1 UNIT							
56862	CONF	A	ARR		209	S M H	KARP
56871	CONF	B	ARR		202	S H	BAKER
56889	CONF	C	ARR		112	S M H	FLETCHER
56897	CONF	D	ARR		206	S M H	STRAVINSKY
56901	CONF	E	ARR		201	S M H	SANDERS
56919	CONF	F	ARR		205	S M H	HEILES
56927	CONF	G	ARR		204	S M H	RAFOLS

MUSIC 381	VOICE.						
	2 OR 3 HOURS,	OR 1/2	OR 1	UNIT			
56935	CONF	A	ARR		203	S M H	BAILEY
56943	CONF	B	ARR		207	S M H	ELYN
56951	CONF	C	ARR		202	S M H	CLARK
56960	CONF	D	ARR		211	S M H	FOOTE
56978	CONF	E	ARR		215	S M H	KELLOGG
56986	CONF	F	ARR		200A	S M H	W MILLER
56994	CONF	G	ARR		2008	S M H	BURDETTE
57001	CONF	H	ARR		210	S M H	REYNOLDS
57019	CONF	I	ARR		210	S H	WILSON
57027	CONF	J	ARR		206	S H	CRAWFORD
57035	CONF	K	ARR		204	S H	VICKERMAN
MUSIC 382	ORGAN.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57043	CONF	A	ARR		200	S M H	PETTINGA
57051	CONF	B	ARR		200	S M H	HAMILTON
MUSIC 383	VIOLIN.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57060	CONF	A	ARR		202	S A	ROLLANO
57078	CONF	B	ARR		208	S A	SCHMITT
57086	CONF	C	ARR		205	S A	FARMER
MUSIC 384	VIOLA.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57094	CONF	A	ARR		203	S A	GARVEY
MUSIC 385	CELLO.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57108	CONF	A	ARR		201	S A	SWENSON
57116	CONF	B	ARR		105	S A	FARRELL
MUSIC 386	STRING BASS.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57124	CONF	A	ARR		9	S M H	KRODLICK
MUSIC 387	FLUTE.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57132	CONF	A	ARR		10	S M H	DELANEY
MUSIC 388	CLARINET.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57141	CONF	A	ARR		11	S M H	MCDOWELL
57159	CONF	B	ARR		12	S M H	COGGINS
MUSIC 389	OBOE.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57167	CONF	A	ARR		2	S M H	EOLEFSEN
MUSIC 390	BASSOON.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57175	CONF	A	ARR		203	S H	BERRY
MUSIC 391	CORNET AND TRUMPET.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57183	CONF	A	ARR		14	S M H	SEXTON
MUSIC 392	FRENCH HORN.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57191	CONF	A	ARR		4	S M H	HOLDEN
MUSIC 393	TROMBONE.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57205	CONF	A	ARR		8	S M H	GRAY
MUSIC 394	BARITONE.						
	2 OR 4 HOURS,	OR 1/2	OR 1	UNIT			
57213	CONF	A	ARR		207	P A	PERANTONI

MUSIC 395	TUBA.					
	2 OR 4 HOURS, OR 1/2 OR 1 UNIT					
57221	CONF	A	ARR	207	P A	PERANTONI
MUSIC 396	PERCUSSION.					
	2 OR 4 HOURS, OR 1/2 OR 1 UNIT					
57230	CONF	A	ARR	6	S M H	SIWE
57248	CONF	B	ARR	6	S M H	FAIRCHILD
MUSIC 397	HARP.					
	2 OR 4 HOURS, OR 1/2 OR 1 UNIT					
57256	CONF	A	ARR	113	S M H	ROSENFELD
MUSIC 398	SAXOPHONE.					
	2 OR 4 HOURS, OR 1/2 OR 1 UNIT					
57264	CONF	A	ARR	12	S M H	COGGINS
MUSIC 399	HARPSICHORD.					
	2 OR 4 HOURS, OR 1/2 OR 1 UNIT					
57272	CONF	A	ARR	101	S M H	HUNTER

APPLIED MUSIC COURSES FOR GRADUATES

MUSIC 480	PIANO.					
	PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.					
	1/2 OR 1 UNIT					
57281	CONF	A	ARR	209	S M H	KARP
57299	CONF	B	ARR	204	S M H	BAKER
57302	CONF	C	ARR	112	S M H	FLETCHER
57311	CONF	D	ARR	206	S M H	STRAVINSKY
57329	CONF	E	ARR	201	S M H	SANDERS
57337	CONF	F	ARR	205	S M H	HEILES
57345	CONF	G	ARR			
MUSIC 481	VOICE.					
	PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.					
	1/2 OR 1 UNIT					
57353	CONF	A	ARR	203	S M H	BAILEY
57361	CONF	B	ARR	210	S M H	ELYN
57370	CONF	C	ARR	202	S M H	CLARK
57388	CONF	D	ARR	211	S M H	FOOTE
57396	CONF	E	ARR	215	S M H	KELLOGG
57400	CONF	F	ARR	200A	S M H	W MILLER
57418	CONF	G	ARR	200B	S M H	BURDETTE
57426	CONF	H	ARR	207	S M H	REYNOLDS
57434	CONF	I	ARR	210	S H	WILSON
MUSIC 482	ORGAN.					
	PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.					
	1/2 OR 1 UNIT					
57442	CONF	A	ARR	200	S M H	PETTINGA
57451	CONF	B	ARR	200	S M H	HAMILTON
MUSIC 483	STRING INSTRUMENTS.					
	PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.					
	1/2 OR 1 UNIT					
57469	CONF	A	ARR	202	S A	KROSLICK AND STRING FACUL
MUSIC 484	WIND INSTRUMENTS.					
	PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.					
	1/2 OR 1 UNIT					
57477	CONF	A	ARR	11	S M H	MCOOWELL AND WIND FACULTY

MUSIC 485 PERCUSSION INSTRUMENTS.
 PREREQUISITE: BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A
 QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
 1/2 OR 1 UNIT
 57485 CONF A ARR 6 S M H SIWE

MUSIC 489 DOCTORAL PROJECTS.
 OPEN ONLY TO STUDENTS IN THE DOCTOR OF MUSICAL ARTS PROGRAM.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 TO 3 UNITS
 57493 CONF A ARR 210 1203 W NEV

MUSIC 499 THESIS RESEARCH.
 PREREQUISITE: CONSENT OF ADVISOR.
 0 TO 4 UNITS
 57507 CONF A ARR 210 1203 W NEV

SUPPLEMENTARY INSTRUMENTS

NOTE: THESE COURSES ARE OPEN AS ELECTIVES TO STUDENTS FROM OTHER
 COLLEGES. IN COURSES INVOLVING TWO INSTRUMENTS, TWO DAYS A WEEK
 ARE SPENT ON EACH INSTRUMENT FOR THE ENTIRE SEMESTER. PREREQUISITE
 FOR ALL NON-MUSIC STUDENTS: CONSENT OF INSTRUCTOR.

COURSES FOR UNDERGRADUATES

MUSIC 170 STRING INSTRUMENTS.
 PREREQUISITE: JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
 2 HOURS
 *SECTION A IS FOR BEGINNERS. SECTION B IS FOR ADVANCED STUDENTS.
 57515 LAB-DISC *A 9 MTWTHF 5 S M H KROLOCK AND
 57523 LAB-DISC *B 10 MTWTHF 5 S M H D. MILLER

MUSIC 171 CLARINET.
 2 HOURS
 57531 LAB-DISC A B MTWTHF 5 S M H DEROCHE

MUSIC 172 CORNET OR TRUMPET.
 2 HOURS
 57540 LAB-DISC A B MTWTHF 14 S M H BARROW

MUSIC 173 FLUTE AND SAXOPHONE.
 PREREQUISITE: MUSIC 171.
 2 HOURS
 57558 LAB-DISC A 9 MTWTHF 10 S M H COGGINS AND
 TESSIN

MUSIC 174 FRENCH HORN AND PERCUSSION.
 PREREQUISITE: MUSIC 172.
 2 HOURS
 57566 LAB-DISC A 10 MTWTHF 4 S M H HOLDEN AND
 FAIRCHILD

MUSIC 175 TROMBONE, BARITONE, AND TUBA.
 PREREQUISITE: MUSIC 172.
 2 HOURS
 57574 LAB-DISC A 8 MTWTHF 25 S M H PERANTONI

MUSIC 176 OBOE AND BASSOON.
 PREREQUISITE: MUSIC 171.
 2 HOURS
 57582 LAB-DISC A 1 MTWTHF 2 S M H BERRY AND
 EDLEFSEN

MUSIC 177 CLASS PIANO INSTRUCTION.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 2 HOURS
 *FOR NON-MUSIC STUDENTS ONLY
 SECTIONS A-C FIRST SEMESTER
 SECTIONS D-H SECOND SEMESTER
 SECTIONS I-M THIRD SEMESTER
 SECTIONS N-Q FOURTH SEMESTER

57655	LAB-DISC	A	3	TU TH	3	P A	MARSHALL
57663	LAB-DISC	B	1	M W	5	P A	MARSHALL
57639	LAB-DISC	*C	11	M W	5	P A	BERENSON
57671	LAB-DISC	D	8	M W	5	P A	LESNIAK
57680	LAB-DISC	E	9	TU TH	5	P A	LYKE
57647	LAB-DISC	*F	8	TU TH	5	P A	MARSHALL
57698	LAB-DISC	G	2	M W	5	P A	LYKE
57701	LAB-DISC	H	2	TU TH	5	P A	BERENSON
57710	LAB-DISC	I	2	M W	3	P A	BERENSON
57728	LAB-DISC	J	2	TU TH	3	P A	LYKE
57736	LAB-DISC	K	9	M W	3	P A	MARSHALL
57744	LAB-DISC	L	9	TU TH	3	P A	LESNIAK
57752	LAB-DISC	M	10	M W	3	P A	LESNIAK
57591	LAB-DISC	N	10	TU TH	3	P A	LESNIAK
57604	LAB-DISC	O	1	M W	3	P A	BERENSON
57612	LAB-DISC	P	1	TU TH	5	P A	BERENSON
57621	LAB-DISC	Q	1	M W	3	P A	LESNIAK

MUSIC 178 CLASS INSTRUCTION IN VOICE.
 FOR MUSIC AND MUSIC EDUCATION STUDENTS ONLY.
 2 HOURS

57761	LAB-DISC	A	3	TU TH	203	S M H	BAILEY
57779	LAB-DISC	B	2	TU TH	8	S A	VICKERMAN
57787	LAB-DISC	C	10	TU TH	206	S H	CRAWFORD

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 377 CLASS PIANO (ADVANCED).
 PREREQUISITE: MUSIC 180 (12 HOURS COMPLETED), 104 AND 109.
 OR CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 4 HOURS OR 1 UNIT.
 *2 HOURS OR 1/2 UNIT
 SECTIONS A AND B--SECOND SEMESTER
 SECTION C--FIRST SEMESTER

57795	LAB-DISC	A	10	TU TH	5	P A	LYKE
57809	LAB-DISC	B	3	TU TH	5	P A	LYKE
57817	LAB-DISC	C	10	M W	5	P A	BERENSON

ENSEMBLE COURSES

NOTE: ALL ENSEMBLE COURSES REQUIRE CONSENT OF INSTRUCTOR.

FOR BAND ENSEMBLE CREDIT SEE BANDS.

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 250 UNIVERSITY ORCHESTRA.

57825	1/2 HOUR	PRACT	A	730PM	M	ORCH RHRSL KLAN	GODDMAN
			A	4	W F	ORCH RHRSL KLAN	GOODMAN

MUSIC 251 CHAMBER ORCHESTRA.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 HOUR

57833	PRACT	A	11	MTU	ORCH RHRSL KLAN	GARVEY
		A	11	W	ENSEMBLE A KLAN	

MUSIC 252 WIND ENSEMBLE.

57841	1/2 HOUR	PRACT	A	11-1230	W F	ORCH RHRSL KLAN	GRAY
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MUSIC 253	COLLEGIUM MUSICUM.										
	1/2 HOUR										
57850	PRACT	A	ARR			101	S M H		HUNTER		
MUSIC 254	STRING ENSEMBLE.										
	1/2 HOUR										
	*CLASS MEETS AT 11 O CLOCK ON DAYS TO BE ARRANGED.										
57868	PRACT	A	*ARR			102	S A		GARVEY AND STRING FACULTY		
MUSIC 255	WOODWIND ENSEMBLE.										
	1/2 HOUR										
	*CLASS MEETS AT 11 O CLOCK ON DAYS TO BE ARRANGED.										
57876	PRACT	A	*ARR			11	S M H		MCOOWELL AND WOODWIND FACULTY		
MUSIC 256	BRASS ENSEMBLE.										
	1/2 HOUR										
	*CLASS MEETS AT 11 O CLOCK ON DAYS TO BE ARRANGED.										
57884	PRACT	A	*11	M W F		5	S M H		GRAY, HOLDEN, SEXTON & PERANTONI		
MUSIC 257	PERCUSSION ENSEMBLE.										
	1/2 HOUR										
	*CLASS MEETS AT 11 O CLOCK ON DAYS TO BE ARRANGED.										
57892	PRACT	*A	ARR			6	S M H		SIWE AND FAIRCHILD		
MUSIC 258	PIANO ENSEMBLE.										
	1/2 HOUR										
57906	PRACT	A	4-6	M		112	S M H		FLETCHER		
MUSIC 259	ORGAN KEYBOARD TECHNIQUES.										
	1 HOUR										
57914	CONF	A	ARR			200	S M H		HAMILTON AND PETTINGA		
MUSIC 260	ORATORIO SOCIETY.										
	1/2 HOUR										
	NOTE: OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.										
57922	PRACT	A	8-950PM	TH		CHOS RHRSL KLAN		DECKER			
MUSIC 261	UNIVERSITY CHORUS.										
	OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.										
	1/2 HOUR										
	*SECTION B IS FOR OPERA CHORUS.										
57931	PRACT	A	630-8PM	M W		CHOS RHRSL KLAN		MOLISON			
57949	PRACT	*B	4-530	TU TH		ENSEMBLE A KLAN		CALDWELL			
MUSIC 262	WOMENS GLEE CLUB.										
	OPEN TO ALL WOMEN STUDENTS.										
	1/2 HOUR										
57957	PRACT	A	4-530	TU TH		CHOS RHRSL KLAN		OLSON			
MUSIC 263	MENS GLEE CLUB.										
	OPEN TO ALL MEN STUDENTS.										
	1/2 HOUR										
57965	PRACT	A	630-8PM	TU TH		CHOS RHRSL KLAN		OLSON			
MUSIC 264	UNIVERSITY CHOIR.										
	1/2 HOUR										
57973	PRACT	A	4-515	M W F		CHOS RHRSL KLAN		DECKER			
MUSIC 265	OPERA WORKSHOP AND ENSEMBLE.										
	1/2 HOUR										
57981	PRACT	A	3-5	TU TH		OPERA RHRSL KLAN		ZIRNER			

MUSIC 266 JAZZ BAND.
 PREREQUISITE: CONSENT OF INSTRUCTOR, DETERMINED BY AUDITIONS.
 1/2 HOUR

57990	PRACT	A	ARR	ORCH RHRSL KLAN	GARVEY
58006	PRACT	B	ARR		GARVEY
58014	PRACT	C	ARR		GARVEY
58022	PRACT	D	ARR		GARVEY

MUSIC 267 HARP ENSEMBLE.
 PREREQUISITE: MUSIC 197 AND/OR 397.
 1/2 HOUR

58031	CONF	A	ARR	113 S M H	ROSENFELD
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MUSIC 268 SMALL CHORAL ENSEMBLES.
 1/2 HOUR

58049	PRACT	A	12	TU TH	CHOS RHRSL KLAN	DECKER
58057	PRACT	B	12	M W	CHOS RHRSL KLAN	HUNTER
		B	12	F	ENSEMBLE A KLAN	
58065	PRACT	C	630-8PM	M W	ENSEMBLE A KLAN	WILSON
58073	PRACT	D	8-930PM	M W	CHOS RHRSL KLAN	MOLISON

MUSIC 269 MUSIC CONVOCATIONS AND CONCERTS.
 NO CREDIT
 *EVENING CONCERTS TO BE ARRANGED.

58081	LAB	B	*11	TH	RECITAL HALL
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 350 ADVANCED ENSEMBLE MUSIC.
 PREREQUISITE: REGISTRATION IN APPLIED MUSIC AT THE 300 LEVEL AND
 CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 *SECTION A IS FOR INSTRUMENTAL, SECTION B FOR OPERATIC, SECTION C
 FOR COLLEGIUM, SECTION D FOR CONTEMPORARY MUSIC.

58090	PRACT	*A	ARR	203 S A	GARVEY & STAI
58103	PRACT	*B	ARR	OPERA RHRSL KLAN	ZIRNER
58111	PRACT	*C	ARR	101 S M H	HUNTER
58120	PRACT	*D	ARR	206 S A	LONDON AND MARTIRANO

VOCAL DICTION COURSES

COURSES FOR UNDERGRADUATES

MUSIC 166 ENGLISH DICTION.
 PREREQUISITE: FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR,
 CONCURRENT REGISTRATION IN MUSIC 181.
 1 HOUR

58138	CONF	A	ARR	203 S M H	BAILEY
58146	CONF	B	ARR	210 S M H	ELYN
58154	CONF	C	ARR	202 S M H	CLARK
58162	CONF	D	ARR	211 S M H	FOOTE
58171	CONF	E	ARR	215 S M H	KELLOGG
58189	CONF	F	ARR	200A S M H	W MILLER
58197	CONF	G	ARR	2008 S M H	BURDETTE
58201	CONF	H	ARR	207 S M H	REYNOLDS
58219	CONF	I	ARR	219 S H	WILSON
58227	CONF	J	ARR	206 S H	CRAWFORD
58235	CONF	K	ARR	204 S H	VICKERMAN

MUSIC 167 ITALIAN DICTION.
 PREREQUISITE: FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR,
 CONCURRENT REGISTRATION IN MUSIC 181.
 1 HOUR

58243	LAB-DISC	A	10	M W	100 S H	REYNOLOS
58251	LAB-DISC	B	2	TU TH	210 S M H	REYNOLOS

MUSIC 168 GERMAN DICTION.
 PREREQUISITE: SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR,
 CONCURRENT REGISTRATION IN MUSIC 181.
 1 HOUR
 58260 LAB-DISC A 2 TU TH 215 S M H KELLOGG
 58278 LAB-DISC B 10 M W 215 S M H KELLOGG

MUSIC 169 FRENCH DICTION.
 PREREQUISITE: SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR,
 CONCURRENT REGISTRATION IN MUSIC 181.
 1 HOUR
 58286 LAB-DISC A 9 TU TH 106 S M H CLARK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 367 VOCAL REPERTOIRE, II.
 PREREQUISITE: JUNIOR STANDING IN VOICE OR CONSENT OF INSTRUCTOR,
 CONCURRENT REGISTRATION IN MUSIC 381.
 1 HOUR
 58294 LAB-DISC A 1 TU TH 210 S H KELLOGG AND WILSON

MUSIC LITERATURE COURSES

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 320 PROSEMINAR.
 PREREQUISITE: SENIOR OR GRADUATE STANDING IN MUSIC OR MUSIC
 EDUCATION, CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 8 HOURS OR 2 UNITS.
 *2 OR 4 HOURS, OR 1/2 OR 1 UNIT
 *SECTION A TOPIC: INDIVIDUAL PROJECTS.
 *SECTION B TOPIC: CHORAL LAB.
 58308 CONF *A ARR GRAD FACULTY
 58316 LAB-DISC *B 9 M W F CHOS RHRSL KLAN DECKER

MUSIC 321 PROSEMINAR IN MUSICOLOGY.
 PREREQUISITE: GRADUATE STANDING IN MUSICOLOGY, OR
 CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 2 UNITS.
 *4 HOURS OR 1 UNIT
 58324 LECT-DISC A 2-5 M 101 H A I. THOMAS

MUSIC 322 INTRODUCTION TO MUSICOLOGY.
 PREREQUISITE: SENIOR OR GRADUATE STANDING IN MUSIC OR CONSENT OF
 INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 6 HOURS, OR 2 UNITS.
 *3 HOURS, OR 1/2 OR 1 UNIT
 58332 LECT-DISC A 1-3 TU 101 H A KELLMAN
 A 1 TH 101 H A

MUSIC 324 OPERA PRODUCTION, II.
 PREREQUISITE: MUSIC 323.
 3 HOURS OR 1/2 UNIT
 58341 CONF A ARR OPERA RHRSL KLAN ZIRNER

COURSES FOR GRADUATES

MUSIC 421 SEMINAR IN MUSIC EDUCATION.
 REQUIRED OF ALL CANDIDATES FOR THE DOCTOR OF EDUCATION DEGREE IN
 MUSIC EDUCATION.
 PREREQUISITE: GRADUATE STANDING IN MUSIC EDUCATION OR CONSENT OF
 INSTRUCTOR.
 1 UNIT
 58359 CONF A 9-11 TU 212 1203 W NEV BERGETHON

MUSIC 422 SEMINAR IN THEORY OF MUSIC.
 PREREQUISITE: GRADUATE STANDING IN MUSIC THEORY OR CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 58367 LECT-DISC A 10 TU TH 106 S M H LONDON

MUSIC 424 SEMINAR IN THE WORKS OF A SELECTED COMPOSER.
 PREREQUISITE: MUSIC 213-214 AND TWO OF THE FOLLOWING:
 MUSIC 310, 311, 312, 313, 315, OR EQUIVALENT.
 *STUDENTS MAY ACCUMULATE TWO UNITS.
 *1 UNIT
 TOPIC: BACH.
 58375 LECT-DISC A 1-4 F 101 H A GODT

MUSIC 428 PROBLEMS AND METHODS.
 REQUIRED OF ALL STUDENTS IN THE MASTER OF MUSIC PROGRAM EXCEPT THOSE MAJORING IN MUSICOLOGY.
 1 UNIT
 58383 LECT-DISC A 9-12 TU 101 H A
 58391 LECT-DISC B 2-5 TH 201 H A BEHAGUE FRUM

MUSIC 429 HISTORICAL STUDIES IN TWENTIETH CENTURY MUSIC.
 PREREQUISITE: MUSIC 315 AND 422 OR EQUIVALENT.
 *STUDENTS MAY ACCUMULATE 2 UNITS.
 *1/2 TO 1 UNIT
 TOPIC: ASPECTS OF URBAN-POPULAR MUSIC.
 58405 LECT-DISC A 1-3 F 116 1203 W NEV HAMM, RINGER BEHAGUE, NET AND KELLMAN

NAVAL SCIENCE

DEPARTMENT OFFICE

239 ARMORY

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED.

ALL UNITS BATTALION PARADE 3-5

SUN MAY 10, 1970

COURSES FOR UNDERGRADUATES

N S 100 NAVAL SCIENCE LABORATORY.
 REQUIRED OF ALL NROTC STUDENTS.
 NO CREDIT

58413	LAB	A	3-5	TH	101	ARMORY	MCCARTHY
		A	3-5	TH		ARMORY FLOOR	MCCARTHY
58421	LAB	B	3-5	TH	136	ARMORY	BEAUDRY
		B	3-5	TH		ARMORY FLOOR	BEAUDRY
58430	LAB	C	3-5	TH	143	ARMORY	BEAUDRY
		C	3-5	TH		ARMORY FLOOR	BEAUDRY
58448	LAB	D	3-5	TH	250	ARMORY	TANNER
		D	3-5	TH		ARMORY FLOOR	TANNER
58456	LAB	E1	3-5	TH	137	ARMORY	HERSHEY
		E1	3-5	TH		ARMORY FLOOR	HERSHEY
58464	LAB	E2	3-5	TH	428	ARMORY	HERSHEY
		E2	3-5	TH		ARMORY FLOOR	HERSHEY
58472	LAB	F	3-5	TH	349	ARMORY	MCHENRY
		F	3-5	TH		ARMORY FLOOR	MCHENRY

N S 112 INTRODUCTION TO NAVAL SHIP SYSTEMS.
 PREREQUISITE: N. S. 111 OR CONSENT OF INSTRUCTOR; REGISTRATION IN N. S. 100.
 3 HOURS

58481	LECT	A	9	M W F	337	ARMORY	MCCARTHY
58499	LECT	B	10	M W F	253	ARMORY	MCCARTHY

N S 122 AMERICAN MILITARY AFFAIRS.
 PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
 3 HOURS
 58502 LECT-DISC A 1 M W F 250 ARMORY HERSHEY
 58511 LECT-DISC B 2 M W F 250 ARMORY HERSHEY

COURSES FOR ADVANCED UNDERGRADUATES

N S 232 NAVIGATION AND NAVAL OPERATIONS, II.
 PREREQUISITE: JUNIOR STANDING IN NAVAL OFFICER TRAINING PROGRAM OR
 APPROVAL OF PROFESSOR OF NAVAL SCIENCE. REGISTRATION IN N. S. 100.
 3 HOURS
 58537 LECT B 10-1130 TU TH 250 ARMORY BEAUDRY

N S 242 NAVAL LEADERSHIP.
 PREREQUISITE: OPEN ONLY TO STUDENTS IN ENGINEERING, PHYSICS,
 CHEMISTRY, MATHEMATICS, AND EDUCATION STUDENTS WITH TEACHING
 MAJORS IN MATHEMATICS OR PHYSICAL SCIENCE; N. S. 241; REGISTRATION
 IN N. S. 100.
 3 HOURS
 58545 LECT A 9 M W F 250 ARMORY TANNER
 58553 LECT B 10 M W F 250 ARMORY TANNER

N S 294 AMPHIBIOUS WARFARE DOCTRINE.
 PREREQUISITE: SENIOR STANDING IN NROTC, REGISTRATION IN N. S. 100.
 3 HOURS
 58561 LECT A 9-1030 TU TH 253 ARMORY MCHENRY

NUCLEAR ENGINEERING

DEPARTMENT OFFICE

214 N E L

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NUC E 302 NUCLEAR POWER ENGINEERING.
 SAME AS M. E. 302.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 58570 LECT-DISC 9 M W F 203 N E L

NUC E 347 INTRODUCTION TO NUCLEAR ENGINEERING.
 PREREQUISITE: CREDIT OR REGISTRATION IN NUC. E. 397 OR PHYCS. 382,
 OR EQUIVALENT.
 4 HOURS OR 1 UNIT
 58588 LECT-DISC 8 W 211 N E L
 9 M W F 211 N E L

NUC E 397 RADIOCHEMISTRY.
 SAME AS CHEM. 397.
 PREREQUISITE: ONE SEMESTER OF PHYSICAL CHEMISTRY, OR ONE SEMESTER
 OF ATOMIC PHYSICS, OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 3/4 UNIT
 58596 LECT 10 TU TH S 111 N L HUMMEL

COURSES FOR GRADUATES

NUC E 421 NUCLEAR CONCEPTS.
 PREREQUISITE: CREDIT IN A NUCLEAR PHYSICS COURSE SUCH AS
 NUC. E. 397 OR PHYCS. 382.
 1 UNIT
 58600 LECT-DISC 10-12 TU TH 203 N E L

NUC E 451 REACTOR LABORATORY.
 PREREQUISITE: NUC. E. 347 OR CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 58618 DISC 1 F 203 N E L
 58626 LAB A 1-5 M NUC REACTOR LAB
 58634 LAB B 1-5 TH NUC REACTOR LAB

NUC E 454 NUCLEAR ENGINEERING LABORATORY INVESTIGATIONS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/4 TO 2 UNITS
 58642 CONF ARR

NUC E 455 REACTOR PHYSICS, I.
 SAME AS PHYSCS. 455.
 PREREQUISITE: MATH. 343 AND 345, NUC. E. 347, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 58651 LECT-DISC 10 M W F 203 N E L

NUC E 458 NUCLEAR REACTOR ENGINEERING.
 PREREQUISITE: NUC. E. 347 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 58669 LECT-DISC 8-10 TU TH 203 N E L

NUC E 460 REACTOR KINETICS.
 PREREQUISITE: NUC. E. 401, AND CREDIT OR REGISTRATION IN NUC. E. 455; CONSENT OF INSTRUCTOR.
 1 UNIT
 58677 LECT-DISC 3 M W F 203 N E L

NUC E 467 THERMOMECHANICS IN NUCLEAR REACTOR SYSTEMS.
 SAME AS T. A. M. 467.
 PREREQUISITE: NUC. E. 401 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 58685 LECT-DISC B 9 M W F 105C WOODSHOP

NUC E 490 SPECIAL TOPICS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 *SECTION P: PLASMAS.
 *SECTION T: TURBULENT HEAT TRANSFER.
 58693 LECT-DISC *P 11 M W F 203 N E L
 58707 LECT-DISC *T 2-4 TU TH 203 N E L

NUC E 495 NUCLEAR ENGINEERING PROBLEMS.
 PREREQUISITE: AT LEAST THREE UNITS OF GRADUATE WORK AND CONSENT OF INSTRUCTOR.
 1/4 TO 2 UNITS
 58715 CONF ARR

NUC E 497 SEMINAR IN NUCLEAR SCIENCE AND ENGINEERING.
 0 CREDIT
 58723 LECT-DISC A 4 TU 203 N E L
 58731 LECT-DISC B 4 W 203 N E L

NUC E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 58740 CONF ARR

OCCUPATIONAL THERAPY

DEPARTMENT OFFICE

1207 W. OREGON

COURSES FOR UNDERGRADUATES

O T 100 OCCUPATIONAL THERAPY ORIENTATION.
 PREREQUISITE: REGISTRATION IN THE OCCUPATIONAL THERAPY CURRICULUM.
 2 HOURS
 58758 LECT-DISC 1 TU TH 143 ADMIN WADE

PERSIAN

DEPARTMENT OFFICE

201, 1208 W. CALIFORNIA

COURSES FOR ADVANCED UNDERGRADUATES

PERS 202 ELEMENTARY PERSIAN, II.
 PREREQUISITE: PERS. 201 AND CONSENT OF INSTRUCTOR.
 5 HOURS
 58766 LECT-DISC 11 MTWTHF 313 G H NETZER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PERS 309 CONTEMPORARY PERSIAN LITERATURE AND WESTERN INFLUENCE (IN
 TRANSLATION).
 SAME AS C. LIT. 309.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 TO 1 UNIT
 58774 LECT-DISC 9-1030 TU TH 313 G H TIKKU

PETROLEUM ENGINEERING

DEPARTMENT OFFICE

201 M M 8

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PET E 372 RESERVOIR MECHANICS, II.
 PREREQUISITE: PET. E. 371.
 3 HOURS OR 1 UNIT
 58782 LECT-DISC 10 M W F 403 M M 8

PHILOSOPHY

DEPARTMENT OFFICE

105 G H

MAJOR: TWENTY HOURS FROM ANY COURSES OFFERED BY THE DEPARTMENT, INCLUDING PHIL. 102, 303, 306, 321, AND ONE ADDITIONAL 300 COURSE IN PHILOSOPHY.

MINORS: TWENTY COURSE HOURS FROM THE SUBJECTS RECOGNIZED AS MAJORS BY THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR FROM ANY APPROVED LAS INTERDEPARTMENTAL CURRICULUM, OR FROM EDUCATION OR LIBRARY SCIENCE OR LINGUISTICS. RHETORIC 101, 102, 107, 108, FIRST-YEAR MODERN FOREIGN LANGUAGE COURSES, AND COURSES IN APPLIED MUSIC ARE EXCLUDED. IF TWO DEPARTMENTS OR CURRICULA ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH.

COURSES FOR UNDERGRADUATES

FRESHMAN JAMES SCHOLARS ARE AUTOMATICALLY PERMITTED TO TAKE ANY 100 LEVEL PHILOSOPHY COURSE.

PHIL 101 INTRODUCTION TO PHILOSOPHY.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.

3 HOURS

58791	LECT-DISC	A1	8	M W F	327	G H	GATZKE
58804	LECT-DISC	A2	8	M W F	207	G H	NOLEN
58812	LECT-DISC	B1	9	M W F	336	G H	DAVENPORT
58821	LECT-DISC	B2	9	M W F	207	G H	
58839	LECT-DISC	C	10	M W F	207	G H	SHAPIRA
58847	LECT-DISC	D1	11	M W F	223	G H	
58855	LECT-DISC	D2	11	M W F	327	G H	
58863	LECT-DISC	E1	1	M W F	336	G H	CHANDLER
58871	LECT-DISC	E2	1	M W F	321	G H	CUMMINS
58880	LECT-DISC	F	2	M W F	336	G H	SHAPIRA
58898	LECT-DISC	G	3	M W F	327	G H	NICKLES
58901	LECT-DISC	H	4-530	M W	207	G H	FABER
58910	LECT-DISC	L	830-10	TU TH	327	G H	GATZKE
58928	LECT-DISC	N1	1030-12	TU TH	327	G H	DAVENPORT
58936	LECT-DISC	N2	1030-12	TU TH	321	G H	LYNES
58944	LECT-DISC	R	1-230	TU TH	327	G H	

PHIL 102 LDGIC.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.

3 HOURS

58952	LECT-DISC	B	9	M W F	311	G H	TANNER
58961	LECT-DISC	C	10	M W F	319	G H	WALTERS
58979	LECT-DISC	D	11	M W F	311	G H	WENGERT
58987	LECT-DISC	E1	1	M W F	311	G H	ADAMS
58995	LECT-DISC	F	2	M W F	321	G H	HUGLY
59001	LECT-DISC	G	3	M W F	311	G H	
59010	LECT-DISC	L	830-10	TU TH	311	G H	ADAMI
59028	LECT-DISC	N	10-1130	TU TH	311	G H	
59036	LECT-DISC	R	1-230	TU TH	311	G H	
59044	LECT-DISC	S	3-430	TU TH	311	G H	WILL

PHIL 104 PHILOSOPHY OF DEMOCRACY.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF DEPARTMENT.

4 HOURS

59052	LECT-DISC	D	11	MTUWTH	207	G H	WERNER
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PHIL 105 MORAL IDEAS AND PRACTICE.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.

*CREDIT IS NOT GIVEN FOR BOTH PHIL. 105 AND 103.

*2 HOURS

59061	LECT-DISC	C	10	M W	336	G H	WERNER
59079	LECT-DISC	F	2	M W	207	G H	EISENBERG
59087	LECT-DISC	G	3	M W	321	G H	ROSENBAUM
59095	LECT-DISC	L	8	TU TH	321	G H	CORCORAN
59109	LECT-DISC	M1	9	TU TH	336	G H	EGGERMAN
59117	LECT-DISC	M2	9	TU TH	207	G H	HANCOCK
59125	LECT-DISC	N	10	TU TH	336	G H	CORCORAN
59133	LECT-DISC	P	11	TU TH	336	G H	HARTER
59141	LECT-DISC	S	2	TU TH	207	G H	PERLMUTTER

PHIL 110 WORLD RELIGIONS.

PREREQUISITE: SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.

3 HOURS

59150	LECT		11	TU TH	112	G H	TIEBOUT
59168	DISC	C	10	F	336	G H	
59176	DISC	D	11	F	207	G H	
59184	DISC	G	3	F	321	G H	
59192	DISC	R1	1	TU	207	G H	
59206	DISC	R2	1	TH	207	G H	
59214	DISC	R3	1	TU	321	G H	
59222	DISC	R4	1	TH	321	G H	
59231	DISC	S1	2	TU	321	G H	
59249	DISC	S2	2	TH	321	G H	
59257	DISC	T1	3	TU	321	G H	
59265	DISC	T2	3	TH	321	G H	
59273	DISC	T3	3	TU	336	G H	
59281	DISC	T4	3	TH	336	G H	
59290	DISC	U1	4	TU	207	G H	
59303	DISC	U2	4	TH	207	G H	
59311	DISC	H1	4	M	336	G H	
59320	DISC	H2	4	W	336	G H	

PHIL 170 PHILOSOPHY OF SCIENCE.

PREREQUISITE: SOPHOMORE STANDING, OR CONSENT OF INSTRUCTOR.

3 HOURS

59338	LECT	F	2	M W	311	G H	SUPPE
59346	DISC	F1	2	F	311	G H	
59354	DISC	F2	2	F	207	G H	

PHIL 195 FRESHMAN SEMINAR.

PREREQUISITE: JAMES SCHOLAR--FRESHMAN STANDING.

3 HOURS

59362	LECT-DISC	E	130-3	M W	304	G H	NEELY
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PHIL 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

59371	CONF		ARR				
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COURSES FOR ADVANCED UNDERGRADUATES

PHIL 291 READING COURSE.

PREREQUISITE: OPEN TO JUNIORS AND SENIORS WITH A GENERAL GRADE-POINT AVERAGE OF 4.0, ONLY BY PRIOR ARRANGEMENT WITH A REGULAR MEMBER OF THE STAFF AND WITH CONSENT OF THE CHAIRMAN OF THE DEPARTMENT.

*COURSE MAY BE REPEATED TO A TOTAL OF 4 HOURS CREDIT.

*2 TO 4 HOURS

59389	CONF		ARR				
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PHIL 292 THESIS.

PREREQUISITE: OPEN TO SENIORS WITH A GENERAL GRADE-POINT AVERAGE OF 4.0, ONLY BY PRIOR ARRANGEMENT WITH A REGULAR MEMBER OF THE STAFF AND WITH CONSENT OF THE CHAIRMAN OF THE DEPARTMENT.

*COURSE MAY BE REPEATED TO A TOTAL OF 4 HOURS CREDIT.

*2 TO 4 HOURS

59397	CONF		ARR				
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PHIL 295 SENIOR SEMINAR.

PREREQUISITE: OPEN TO SENIOR PHILOSOPHY MAJORS WITH A GENERAL GRADE-POINT AVERAGE OF 4.0 ONLY WITH CONSENT OF INSTRUCTOR.

*COURSE MAY BE REPEATED TO A TOTAL OF 6 HOURS CREDIT.

*3 HOURS

59401	LECT-DISC	E	1-3	F	304	G H	FABER
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOPHOMORE JAMES SCHOLARS WHO HAVE HAD NO PHILOSOPHY COURSES ARE PERMITTED TO TAKE PHIL. 303, 306, 307, AND 308. THOSE WHO HAVE HAD A PHILOSOPHY COURSE MAY TAKE ANY 300-LEVEL PHILOSOPHY COURSE.

PHIL 304	HISTORY OF MEDIEVAL PHILOSOPHY.									
	PREREQUISITE: PHIL. 101 OR 303.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59419	LECT-DISC	C	10	M	W	F	321	G	H	WENGERT
PHIL 306	HISTORY OF MODERN PHILOSOPHY.									
	4 HOURS OR 1 UNIT									
	*DISC. &K IS FOR GRADUATE STUDENTS AND PHILOSOPHY MAJORS.									
59427	LECT	N	10	TU	TH		213	G	H	SCHACHT
59435	DISC	R1	1	TU			336	G	H	
59443	DISC	R2	1		TH		336	G	H	
59451	DISC	S1	2	TU			336	G	H	
59460	DISC	S2	2		TH		336	G	H	
59478	DISC	T1	3	TU			207	G	H	
59486	DISC	T2	3		TH		207	G	H	
59494	DISC	*&K	4		TH		327	G	H	SCHACHT
PHIL 321	ETHICS AND VALUE THEORY.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59508	LECT-DISC	B	9	M	W	F	321	G	H	NEELY
59516	LECT-DISC	D	11	M	W	F	321	G	H	WALLACE
PHIL 323	PHILOSOPHY OF ART.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59524	LECT-DISC	E	1	M	W	F	223	G	H	RADFORD
PHIL 324	PHILOSOPHY OF RELIGION.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59532	LECT-DISC	C	10	M	W	F	327	G	H	CHANDLER
PHIL 326	METAPHYSICS.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59541	LECT-DISC	C	9-1030	TU	TH		304	G	H	
PHIL 328	PHILOSOPHY OF SCIENCE.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59559	LECT-DISC	D	11	M	W	F	336	G	H	NICKLES
PHIL 329	THE PHILOSOPHY OF SOCIAL SCIENCES.									
	3 HOURS OR 1 UNIT.									
59567	LECT-DISC	B	9	M	W	F	327	G	H	STALNAKER
PHIL 331	ANALYTIC PHILOSOPHY.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59575	LECT-DISC	N	1030-12	TU	TH		304	G	H	WALTERS
PHIL 334	SYMBOLIC LOGIC, II.									
	PREREQUISITE: PHIL. 333.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59583	LECT-DISC	D	11	M	W	F	304	G	H	TURQUETTE
PHIL 336	PHILOSOPHY OF LAW AND OF THE STATE.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59591	LECT-DISC	M	9-1030	TU	TH		321	G	H	WERNER
PHIL 338	PHILOSOPHIES OF LANGUAGE									
	SAME AS LING. 338.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY.									
	3 HOURS, OR 3/4 OR 1 UNIT.									
59605	LECT-DISC	G	3	M	W	F	336	G	H	FABER
PHIL 341	EXISTENTIAL PHILOSOPHY.									
	PREREQUISITE: ONE COURSE IN PHILOSOPHY (PREFERABLY 311) OR CONSENT OF THE INSTRUCTOR.									
	3 HOURS, OR 3/4 OR 1 UNIT									
59613	LECT-DISC	L	830-10	TU	TH		319	G	H	TIEBOUT

PHIL 354 METAMATHEMATICS, II.
 INTENDED PRIMARILY FOR PHILOSOPHY MAJORS.
 PREREQUISITE: PHIL. 353 IN THE PREVIOUS SEMESTER, OR CONSENT
 OF INSTRUCTOR.
 3 HOURS OR 1 UNIT
 59621 LECT-DISC E I M W F 327 G H SUPPE

PHIL 361 COMPARATIVE RELIGIONS: THE RELIGIONS OF THE EAST.
 PREREQUISITE: ONE COURSE IN PHILOSOPHY.
 3 HOURS, OR 3/4 OR 1 UNIT
 59630 LECT-DISC S 230-4 TU TH 327 G H NODA

COURSES FOR GRADUATES

PHIL 401 SEMINAR IN ANCIENT PHILOSOPHY.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 TOPIC: PLATO'S ETHICS.
 59648 LECT-DISC S 2-4 TH 304 G H EISENBERG

PHIL 405 SEVENTEENTH-CENTURY CONTINENTAL THOUGHT (DESCARTES, SPINOZA,
 LEIBNIZ).
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59656 LECT-DISC H 4-6 M 304 G H NODA

PHIL 407 BRITISH EMPIRICISM.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59664 LECT-DISC S 2-4 TU 304 G H CUMMINS

PHIL 410 SEMINAR IN NINETEENTH CENTURY PHILOSOPHY.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59672 LECT-DISC 730-930PM TU 304 G H SCHACHT

PHIL 412 SEMINAR IN SOCIAL PHILOSOPHY.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59681 LECT-DISC 4-6 TH 304 G H DIGGS

PHIL 413 LOGICAL THEORY.
 PREREQUISITE: A COURSE IN LOGIC OR CONSENT OF INSTRUCTOR.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59699 LECT-DISC 730-930PM W 107 G H TURQUETTE

PHIL 420 SEMINAR IN SEMANTICS
 SAME AS COMM. 420.
 PREREQUISITE: GRADUATE STANDING IN PHILOSOPHY OR EQUIVALENT.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59702 LECT-DISC 4-6 TU 304 G H STALNAKER

PHIL 421 SEMINAR IN CONTEMPORARY PROBLEMS.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59711 LECT-DISC A 730-930PM M 304 G H SHWAYDER
 59729 LECT-DISC B 730-930PM W 304 G H HUGLY

PHIL 423 SEMINAR IN THEORY OF KNOWLEDGE.
 1 UNIT
 59737 LECT-DISC 3-5 W 304 G H WILL

PHIL 425 SEMINAR IN THE PHILOSOPHY OF MIND.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59745 LECT-DISC 730-930PM TH 107 G H SHAPIRA

PHIL 430 SEMINAR IN MODERN AESTHETICS.
 *MAY BE REPEATED FOR CREDIT.
 *1 UNIT
 59753 LECT-DISC 730-930PM TH 304 G H RADFORD

PHIL 483 INDIVIDUAL TOPICS.
 *NOT MORE THAN 1 UNIT MAY BE COUNTED TOWARD M.A. DEGREE AND NOT MORE THAN 2 TOWARD PH. D.
 *1/2 OR 1 UNIT
 59761 CONF A ARR
 59770 CONF B ARR

PHIL 499 THESIS RESEARCH.
 0 TO 4 UNITS
 59788 CONF A ARR

PHYSICAL EDUCATION FOR MEN

BASIC INSTRUCTION COURSES

DEPARTMENT OFFICE

201 M O G

MEN ENTERING THE UNIVERSITY WITH LESS THAN SIXTY SEMESTER HOURS OF CREDIT (EXCEPT VETERANS WHO RECEIVE CREDIT BECAUSE OF MILITARY SERVICE, BUT WHO MAY ELECT TO TAKE PHYSICAL EDUCATION) ARE REQUIRED TO OBTAIN CREDIT FOR FOUR SEMESTERS OF PHYSICAL EDUCATION, INCLUDING THE AMOUNT TRANSFERRED. ONE OF THE COURSES MUST BE PEM 100, WHICH WILL BE TAKEN IN THE FRESHMAN YEAR. CREDIT MAY BE OBTAINED BY PASSING COURSES LISTED BELOW OR BY PASSING PROFICIENCY EXAMINATIONS WHICH ARE OFFERED AT TIMES SPECIFIED BY DEPARTMENT. PERMITS FOR TAKING PROFICIENCY EXAMINATIONS MUST BE SECURED IN ROOM 201 MEN'S OLD GYMNASIUM NOT LATER THAN 48 HOURS PRECEDING EACH EXAMINATION. STUDENTS ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS IN COURSES IN WHICH THEY ARE CURRENTLY REGISTERED. STUDENTS ENROLLED IN PRESCRIBED EXERCISE ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS WITHOUT SPECIAL WRITTEN PERMISSION FROM THE COORDINATOR OF PRESCRIBED EXERCISE.

COURSES FOR UNDERGRADUATES

NOTE: MOST PEM BASIC INSTRUCTION COURSES HAVE BEEN ARRANGED IN SEQUENCES TO FACILITATE REGISTRATION OF ADVANCE ENROLLED STUDENTS IN BASIC INSTRUCTION COURSES. THESE SEQUENCES ARE AS FOLLOWS:

SEQUENCE 1 - PEM 118, 120
 SEQUENCE 2 - PEM 115, 127, 129, 130
 SEQUENCE 3 - PEM 123, 128, 134, 135, 137, 145
 SEQUENCE 4 - PEM 133, 136, 142, 143
 SEQUENCE 5 - PEM 112, 132, 138

STUDENTS REQUESTING A COURSE IN ONE OF THE ABOVE SEQUENCES WILL BE SCHEDULED IN ONE OF THE OTHER COURSES IN THAT SEQUENCE IF SECTIONS OF THE REQUESTED COURSE ARE CLOSED.

P E M 100 FOUNDATIONS OF PHYSICAL ACTIVITY.

1 HOUR

EACH STUDENT MUST REGISTER IN ONE LECTURE SECTION AND ONE LAB SECTION.

59796	LECT	118	11	TU	66	LIB
59800	LECT	28	2	TU	101	ARMORY
59818	LECT	3C	3	W	100	G H
59826	LECT	100	10	TH	66	LIB
59834	LECT	20	2	TH	101	ARMORY
59842	LAB	A1	8	M	F	310 M O G BALC
59851	LAB	B1	9	M	F	310 M O G BALC
59869	LAB	C1	10	M	F	310 M O G BALC
59877	LAB	D1	11	M	F	310 M O G BALC
59885	LAB	E1	12	M	F	312W M O G

P E M 100 CONTINUED

59893	LAB	F2	1	M	F	312W	M O G
59907	LAB	G1	2	M	F	310	M O G BALC
86829	LAB	H1	3	M	F	310	M O G
59915	LAB	J1	4	M	F	310	M O G
59923	LAB	L1	8	TU TH		312W	M O G
59931	LAB	M1	9	TU TH		310	M O G BALC
59940	LAB	N1	10	TU TH		310	M O G BALC
86837	LAB	P1	12	TU TH		312W	M O G
59958	LAB	Q2	1	TU TH		312W	M O G
59966	LAB	R1	2	TU TH		310	M O G BALC
59974	LAB	R2	2	TU TH		312W	M O G
59982	LAB	S1	3	TU TH		310	M O G
59991	LAB	T1	4	TU TH		310	M O G
86845	LAB	V1	11	TU TH		310	M O G BALC

P E M 101 PRESCRIBED EXERCISE.

PREREQUISITE: ASSIGNMENT BY THE HEALTH SERVICE.

STUDENTS MAY ACCUMULATE 3 HOURS.

1 HOUR

*SECTION X IS FOR PARAPLEGIC AND HANDICAPPED STUDENTS.

60009	LAB	B	9	M W F		106	MOG ANNEX
60017	LAB	C	10	M W F		106	MOG ANNEX
60025	LAB	D	11	M W F		106	MOG ANNEX
60033	LAB	F	1	M W F		106	MOG ANNEX
60041	LAB	G	2	M W F		106	MOG ANNEX
60050	LAB	R	2-315	TU TH		106	MOG ANNEX
60068	LAB	S	3-415	TU TH		106	MOG ANNEX
60076	LAB	*X	ARR				REHAB CENTER

P E M 105 WEIGHT CONTROL.

PREREQUISITE: APPROVAL OF DEPARTMENT AT REGISTRATION.

1 HOUR

60084	LAB	D	11	M W F		312SEM	O G
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P E M 106 DEVELOPMENTAL ACTIVITIES.

PREREQUISITE: P. E. M. 100, FOUNDATIONS OF PHYSICAL ACTIVITY.

1 HOUR

*MUST HAVE PERMISSION OF BASIC INSTRUCTION DIRECTOR.

60092	LAB	A1	8	M W F		ARMORY	FLOOR
60106	LAB	A2	8	M W F		ARMORY	FLOOR
60114	LAB	B1	9	M W F		ARMORY	FLOOR
60122	LAB	B2	9	M W F		ARMORY	FLOOR
60131	LAB	C1	10	M W F		ARMORY	FLOOR
60149	LAB	C2	10	M W F		ARMORY	FLOOR
60157	LAB	D1	11	M W F		ARMORY	FLOOR
60165	LAB	D2	11	M W F		ARMORY	FLOOR
60173	LAB	F	1	M W F		ARMORY	FLOOR
60181	LAB	*J	4	MTUWTHF		WEST	STADIUM

P E M 107 BEGINNING SWIMMING.

PREREQUISITE: NON-SWIMMER. THOSE WHO CANNOT SWIM 25 YARDS

INCLUDING A CONFIDENCE STOP FOR 10 SECONDS.

1 HOUR

60190	LAB	B	9	M W F		212	MOG POOL
60203	LAB	C	10	M W F		212	MOG POOL
60211	LAB	D	11	M W F		212	MOG POOL
60220	LAB	F	1	M W F		212	MOG POOL
60238	LAB	H	3	M W F		212	MOG POOL
60246	LAB	M	9-1015	TU TH		212	MOG POOL
60254	LAB	V	11-1215	TU TH		212	MOG POOL
60262	LAB	R	2-315	TU TH		212	MOG POOL
60271	LAB	S	3-415	TU TH		212	MOG POOL

P E M 108 INTERMEDIATE SWIMMING.

PREREQUISITE: SWIM 25 YARDS INCLUDING A CONFIDENCE STOP FOR 10 SECONDS, BUT ARE NOT QUALIFIED FOR P. E. M. 109 OR P. E. M. 110.

1 HOUR

60289	LAB	A	8	M W F		212	MOG POOL
60297	LAB	A1	8	M W F		112	H G POOL
60301	LAB	G	2	M W F		212	MOG POOL
60319	LAB	G1	2	M W F		112	H G POOL
60319	LAB	H1	3	M W F		112	H G POOL
60327	LAB	J	4	M W F		212	MOG POOL
60335	LAB	L	8-915	TU TH		212	MOG POOL
60343	LAB	N	10-1115	TU TH		212	MOG POOL
60360	LAB	Q	1-215	TU TH		212	MOG POOL
60378	LAB	S1	3-415	TU TH		112	H G POOL
60386	LAB	T	4-515	TU TH		212	MOG POOL

P E M 109 AQUATIC SPORTS.
 PREREQUISITE: ABILITY TO SWIM ONE MILE NON-STOP INCLUDING
 100 YARDS EACH IN GOOD FORM--CRAWL, BACK CRAWL AND BREASTSTROKE
 --AND 20 YARDS UNDERWATER.
 1 HOUR
 60394 LAB L 8-915 TU TH 112 H G POOL
 60408 LAB Q 1-215 TU TH 112 H G POOL

P E M 110 LIFE SAVING.
 PREREQUISITE: ABILITY TO SWIM 1/2 MILE NON-STOP INCLUDING 100
 YARDS EACH IN GOOD FORM--SIDESTROKE, BREASTSTROKE AND FRONT
 CRAWL--AND 20 YARDS UNDERWATER.
 1 HOUR
 60416 LAB C 10 M W F 112 H G POOL
 60424 LAB O 11 M W F 112 H G POOL
 60432 LAB F 1 M W F 112 H G POOL

P E M 111 WATER SAFETY. A. R. C. INSTRUCTOR TRAINING.
 PREREQUISITE: STRONG SWIMMERS WHO HAVE A CURRENT AMERICAN RED
 CROSS SR. LIFE SAVING AUTHORIZATION CARD.
 1 HOUR
 60441 LAB N 10-1115 TU TH 112 H G POOL
 86853 LAB V 11-1215 TU TH 112 H G POOL

P E M 112 TUMBLING AND FREE EXERCISE.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC
 INSTRUCTION COURSES.
 60459 LAB B 9 M W F 312NE M D G
 60467 LAB C 10 M W F 312NE M D G
 60475 LAB D 11 M W F 312NE M D G

P E M 114 APPARATUS STUNTS.
 1 HOUR
 60483 LAB N 10-1115 TU TH 312NE M D G
 60491 LAB V 11-1215 TU TH 312NE M D G

P E M 115 TRAMPOLINE AND DOUBLES TUMBLING.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC
 INSTRUCTION COURSES.
 60505 LAB H 3 M W F 312NE M D G
 60513 LAB M 9-1015 TU TH 312NE M D G

P E M 116 BASIC MOVEMENT.
 PREREQUISITE: MUSIC MAJOR.
 1 HOUR
 *MEETS WITH P. E. W. 100, SECTION G.
 60521 LAB *G 2 M W F 311 FREER GYM

P E M 118 WRESTLING.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC
 INSTRUCTION COURSES.
 60530 LAB G 2 M W F 115 MOG ANNEX
 60548 LAB N 10-1115 TU TH 115 MOG ANNEX
 60556 LAB R 2-315 TU TH 115 MOG ANNEX

P E M 119 FOIL FENCING.
 1 HOUR
 60564 LAB C 10 M W F 302 H G
 60572 LAB O 11 M W F 302 H G
 60581 LAB F 1 M W F 302 H G

P E M 120 PERSONAL DEFENSE ACTIVITIES.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

60599	LAB	A	8	M W F	115	MOG ANNEX
60602	LAB	C	10	M W F	115	MOG ANNEX
60611	LAB	D	11	M W F	115	MOG ANNEX
60629	LAB	E	12	M W F	115	MOG ANNEX
60637	LAB	F	1	M W F	115	MOG ANNEX
60645	LAB	H	3	M W F	115	MOG ANNEX
60653	LAB	L	8-915	TU TH	115	MOG ANNEX
60661	LAB	V	11-1215	TU TH	115	MOG ANNEX
60670	LAB	P	12-115	TU TH	115	MOG ANNEX
60688	LAB	Q	1-215	TU TH	115	MOG ANNEX

P E M 123 WEIGHT TRAINING

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

*OPEN ONLY TO STUDENTS RESIDING IN FLORIDA AND PENNSYLVANIA AVENUE RESIDENCE HALLS.

60696	LAB	A	8	M W F	114	MOG ANNEX
60700	LAB	B	9	M W F	114	MOG ANNEX
60858	LAB	*B1	9	M W F	38B	OGLESBY
60718	LAB	C	10	M W F	114	MOG ANNEX
60726	LAB	D	11	M W F	114	MOG ANNEX
60866	LAB	*D1	11	M W F	38B	OGLESBY
60734	LAB	F	1	M W F	114	MOG ANNEX
60742	LAB	G	2	M W F	114	MOG ANNEX
60751	LAB	H	3	M W F	114	MOG ANNEX
60769	LAB	J	4	M W F	114	MOG ANNEX
60777	LAB	L	8-915	TU TH	114	MOG ANNEX
60785	LAB	M	9-1015	TU TH	114	MOG ANNEX
60793	LAB	N	10-1115	TU TH	114	MOG ANNEX
60807	LAB	V	11-1215	TU TH	114	MOG ANNEX
60815	LAB	Q	1-215	TU TH	114	MOG ANNEX
60874	LAB	*Q1	1-215	TU TH	38B	OGLESBY
60823	LAB	R	2-315	TU TH	114	MOG ANNEX
60831	LAB	S	3-415	TU TH	114	MOG ANNEX
60840	LAB	T	4-515	TU TH	114	MOG ANNEX
60882	LAB	*T1	4-515	TU TH	38B	OGLESBY

P E M 124 TRACK AND FIELD ATHLETICS.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

60891	LAB	FF	1-3	M W	EAST ILL FIELD
60904	LAB	HH	3-5	M W	EAST ILL FIELD
60912	LAB	QQ	1-3	TU TH	EAST ILL FIELD
60921	LAB	SS	3-5	TU TH	EAST ILL FIELD

NOTE: FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY MEN'S OLD GYM ANNEX.

P E M 128 SOCCER.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

60939	LAB	AA	8-10	M W	GREGORY FIELD
60947	LAB	CC	10-12	M W	FLO A H G
60955	LAB	CC1	10-12	M W	GREGORY FIELD
60963	LAB	FF	1-3	M W	FLO A H G
60971	LAB	FF1	1-3	M W	GREGORY FIELD
60980	LAB	LL	8-10	TU TH	FLO A H G
60998	LAB	LL1	8-10	TU TH	GREGORY FIELD
61004	LAB	NN	10-12	TU TH	FLO A H G
61012	LAB	NN1	10-12	TU TH	GREGORY FIELD
61021	LAB	QQ	1-3	TU TH	FLO A H G
61039	LAB	QQ1	1-3	TU TH	GREGORY FIELD

NOTE: FIRST CLASS MEETING WILL BE IN EAST BALCONY, HUFF GYM.

P E M 129 VOLLEYBALL.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

*MEETS WITH P. E. W. 124.

61047	LAB	A	8-915	M W	105	MOG ANNEX
61055	LAB	B	9-1015	M W	105	MOG ANNEX
61063	LAB	C	10-1115	M W	105	MOG ANNEX
61071	LAB	D	11-1215	M W	105	MOG ANNEX
61080	LAB	F	1-215	M W	105	MOG ANNEX
61098	LAB	G	2-315	M W	105	MOG ANNEX
61101	LAB	H	3-415	M W	105	MOG ANNEX
61110	LAB	L	8-915	TU TH	105	MOG ANNEX
61128	LAB	M	9-1015	TU TH	105	MOG ANNEX
61136	LAB	Q	1-215	TU TH	105	MOG ANNEX
61144	LAB	S	3-415	TU TH	105	MOG ANNEX
61152	LAB	T	4-515	TU TH	105	MOG ANNEX
61179	LAB	*X	7-815PM	TU TH	26	E B
61161	LAB	X1	7-815PM	M W	26	E B

P E M 130 BASKETBALL.

PREREQUISITE: NO PLAYING EXPERIENCE IN ORGANIZED BASKETBALL.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

61187	LAB	N	10-1115	TU TH	105	MOG ANNEX
61195	LAB	V	11-1215	TU TH	105	MOG ANNEX
61209	LAB	R	2-315	TU TH	105	MOG ANNEX

P E M 132 ARCHERY.

1 HOUR

*MEETS WITH P. E. W. 135.

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

61233	LAB	*D	11	MTU THF	11	FREER GYM
61217	LAB	FF	1-3	M W		ARCHERY RANGE
61225	LAB	QQ	1-3	TU TH		ARCHERY RANGE

NOTE: FIRST CLASS MEETING IN EAST BALCONY, MEN'S OLD GYM ANNEX, FOR SECTIONS FF AND QQ.

P E M 133 SQUASH RACQUETS.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

61241	LAB	S	3-415	TU TH	84	H G
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P E M 134 HANOBALL.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

*SECTIONS A AND F BEGIN INSTRUCTION ON MONDAY, APRIL 6, 1970.

61349	LAB	*A	8	MTUWTH	84	H G
61250	LAB	B	9	M W F	84	H G
61268	LAB	C	10	M W F	84	H G
61276	LAB	O	11	M W F	84	H G
61357	LAB	*F	1	MTUWTH	84	H G
61284	LAB	L	8-915	TU TH	84	H G
61292	LAB	M	9-1015	TU TH	84	H G
61306	LAB	N	10-1115	TU TH	84	H G
61314	LAB	R	2-315	TU TH	84	H G
61322	LAB	H	3	M W F	84	H G
61331	LAB	V	11-1215	TU TH	84	H G

P E M 135 TENNIS.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

61365	LAB	AA	8-10	M W	GREG DRIVE CTS
61373	LAB	BB	9-11	M W	H G COURTS
61381	LAB	CC	10-12	M W	GREG DRIVE CTS
61390	LAB	CC1	10-12	M W	STADIUM CTS E
61403	LAB	DD	11-1	M W	H G COURTS
61411	LAB	EE	12-2	M W	GREG DRIVE CTS
61420	LAB	GG	2-4	M W	GREG DRIVE CTS
61438	LAB	LL	8-10	TU TH	GREG DRIVE CTS
61446	LAB	MM	9-11	TU TH	H G COURTS
61454	LAB	NN	10-12	TU TH	GREG DRIVE CTS
61462	LAB	VV	11-1	TU TH	H G COURTS
61471	LAB	QQ	1-3	TU TH	GREG DRIVE CTS

NOTE: FIRST CLASS MEETING WILL BE HELD IN NORTH BALCONY HUFF GYM.

P E M 136 BADMINTON.

1 HOUR

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC

INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

*SECTIONS RR AND NN MEET THE FIRST EIGHT WEEKS OF SEMESTER.

61489	LAB	AA	8-10	M W	100 H G
61497	LAB	CC	10-12	M W	100 H G
61501	LAB	LL	8-10	TU TH	100 H G
61527	LAB	*NN	10-12	TU TH	100 H G
61519	LAB	QQ	1-3	TU TH	100 H G
61535	LAB	*RR	2-4	TU TH	100 H G

P E M 137 BOWLING.

1 HOUR

61543	LAB	L	8	TU TH	60 I U ALLEYS
61551	LAB	L1	8	TU TH	60 I U ALLEYS
61560	LAB	M	9	TU TH	60 I U ALLEYS
61578	LAB	M1	9	TU TH	60 I U ALLEYS
61586	LAB	N	10	TU TH	60 I U ALLEYS
61594	LAB	N1	10	TU TH	60 I U ALLEYS
61608	LAB	V	11	TU TH	60 I U ALLEYS
61616	LAB	V1	11	TU TH	60 I U ALLEYS
61624	LAB	Q	1	TU TH	60 I U ALLEYS

P E M 138 GOLF.

1 HOUR

STUDENT IS RESPONSIBLE FOR GETTING TRANSPORTATION TO AND FROM THE GOLF RANGE ON RT. 45 NORTH. MAY PROVIDE OWN CAR OR RIDE WITH CLASSMATE.

NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC

INSTRUCTION COURSES.

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.

INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

61632	LAB	BB	9-11	M W	ROUTE 45 NORTH
61641	LAB	CC	10-12	M W	ROUTE 45 NORTH
61659	LAB	DD	11-1	M W	ROUTE 45 NORTH
61667	LAB	EE	12-2	M W	ROUTE 45 NORTH
61675	LAB	MM	9-11	TU TH	ROUTE 45 NORTH
61683	LAB	NN	10-12	TU TH	ROUTE 45 NORTH
61691	LAB	VV	11-1	TU TH	ROUTE 45 NORTH

NOTE: FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.

P E M 139 GOLF, II.
 SAME AS P. E. W. 139.
 PREREQUISITE: P. E. M. 138 OR P. E. W. 131, AND CONSENT OF INSTRUCTOR.
 1 HOUR
 IT IS NOT NECESSARY TO HAVE YOUR OWN CLUBS TO TAKE GOLF. \$18.00 FEE COVERS CLUB RENTAL, GREEN FEES AND ROUND TRIP TRANSPORTATION FROM FREER GYM TO PAR 3 OR U. S. ROUTE 45 SOUTH. CLUB RENTAL WHEN PLAYING ON THE PAR 3 COURSE WILL BE AN ADDITIONAL \$0.25.
 CLASSES BEGIN ON MONDAY, APRIL 6, 1970. FIRST CLASS MEETING WILL BE HELD IN 210 FREER GYM.

61705	LAB	JJ	4-6	M W	PAR3 RT 45 SOUTH
61713	LAB	TT	4-6	TU TH	PAR3 RT 45 SOUTH

P E M 140 CANOEING AND SMALL CRAFT OPERATION.
 PREREQUISITE: ABILITY TO JUMP OR DIVE INTO DEEP WATER WHILE CLOTHED AND MAINTAIN A SURVIVAL POSITION FOR TEN MINUTES.
 1 HOUR
 REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD PRECEDING THE COURSE HOUR.
 THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST HALF OF THE SEMESTER.
 INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

61721	LAB	FF	1-3	M W	CRYSTAL LAKE
61730	LAB	HH	3-5	M W	CRYSTAL LAKE
61748	LAB	QQ	1-3	TU TH	CRYSTAL LAKE
61756	LAB	SS	3-5	TU TH	CRYSTAL LAKE

NOTE: FIRST CLASS MEETING WILL BE HELD IN 202 MEN'S OLD GYM.

P E M 142 BALLROOM DANCE.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.
 MEETS WITH P. E. W. 142.
 *OPEN ONLY TO STUDENTS RESIDING IN FLORIDA AND PENNSYLVANIA AVENUE RESIDENCE HALLS.

61811	LAB	*H	3	M W	6 OGLESBY
61829	LAB	*J	4	M W	6 OGLESBY
61837	LAB	*X	7PM	M W	6 OGLESBY
61764	LAB	M	9	TU TH	302 H G
61772	LAB	N	10	TU TH	302 H G
61781	LAB	V	11	TU TH	302 H G
61799	LAB	T	2	M W	302 H G
61802	LAB	R	3	M W	302 H G

P E M 143 AMERICAN SQUARE DANCE.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.
 MEETS WITH P. E. W. 143.

61845	LAB	R	3	TU TH	302 H G
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P E M 144 TECHNIQUES IN ANGLING.
 SAME AS P. E. W. 144.
 1 HOUR
 THIS CLASS MEETS MONDAY THROUGH FRIDAY FOR THE LAST HALF OF THE SEMESTER.
 INSTRUCTION BEGINS ON MONDAY, APRIL 6, 1970.

61853	LAB	G	2	MTUWTHF	ARMORY FLOOR
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P E M 145 FIGURE SKATING.
 1 HOUR
 NOTE: BEFORE ENROLLING, SEE NOTE AT BEGINNING OF BASIC INSTRUCTION COURSES.
 MEETS WITH P. E. W. 145.
 ALL SECTIONS ARE CO-EDUCATIONAL.
 THESE CLASSES MEET MONDAY THROUGH FRIDAY FOR THE FIRST HALF OF THE SEMESTER.

61861	LAB	A	8	MTUWTHF	120N ICE RINK
61870	LAB	B	9	MTUWTHF	120N ICE RINK
61888	LAB	C	10	MTUWTHF	120N ICE RINK
61896	LAB	D	11	MTUWTHF	120N ICE RINK
61900	LAB	E	12	MTUWTHF	120N ICE RINK
61918	LAB	F	1	MTUWTHF	120N ICE RINK
61926	LAB	G	2	MTUWTHF	120N ICE RINK

P E M 146 DIVING
 PREREQUISITE: OPEN ONLY TO STUDENTS WHO SWIM 50 YARDS IN GOOD FORM.
 1 HOUR
 61934 LAB R 2-315 TU TH 112 H G POOL

P E M 147 TENNIS, II.
 PREREQUISITE: P. E. M. 135 OR P. E. W. 136 AND/OR CONSENT OF INSTRUCTOR.
 1 HOUR
 THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF THE SEMESTER. CLASSES BEGIN ON MONDAY, APRIL 6, 1970.
 61942 LAB FF 1-3 M W H G COURTS
 61951 LAB QQ 1-3 TU TH H G COURTS

PROFESSIONAL COURSES FOR MAJORS IN PHYSICAL EDUCATION FOR MEN
 DEPARTMENT OFFICE 119 H G

COURSES FOR UNDERGRADUATES

P E M 150 INTRODUCTION TO PHYSICAL EDUCATION.
 2 HOURS
 61969 LECT-DISC N1 10 TU TH 207 H G
 N1 10 F 209 H G FLANIGAN
 61977 LECT-DISC N2 10 TU TH 209 H G
 N2 10 F 209 H G HOTTINGER

P E M 151 BEGINNING BASKETBALL.
 2 HOURS
 FIRST HALF OF SEMESTER.
 NOTE: INSTRUCTORS WILL SCHEDULE LAB MEETINGS IN 100 H G BY ARRANGEMENT.
 61985 LAB-DISC A1 8-10 MTUWTHF 209 H G COMBES
 61993 LAB-DISC A2 8-10 MTUWTHF 209 H G PARKER

P E M 152 BEGINNING FOOTBALL.
 2 HOURS
 SECOND HALF OF SEMESTER.
 NOTE: INSTRUCTORS WILL SCHEDULE LAB MEETINGS ON HUFF GYM FIELDS BY ARRANGEMENT.
 62000 LAB-DISC A1 8-10 MTUWTHF 209 H G DANNEHL
 62018 LAB-DISC A2 8-10 MTUWTHF 209 H G PARKER

P E M 153 FITNESS PROGRAMS.
 PREREQUISITE: CONCURRENT REGISTRATION IN P. E. M. 154.
 2 HOURS
 62026 LAB-DISC A1 8 MTUWTHF 209 H G HOTTINGER
 62034 LAB-DISC A2 8 MTUWTHF 209 H G CASE
 NOTE: INSTRUCTORS WILL SCHEDULE LAB MEETINGS BY ARRANGEMENT.

P E M 154 SWIMMING.
 PREREQUISITE: CONCURRENT REGISTRATION IN P. E. M. 153, EXCEPT FOR RECREATION MAJORS.
 2 HOURS
 NON-SWIMMERS SHOULD SIGN UP FOR P. E. M. 107.
 62042 LAB-DISC B1 9 MTUWTHF 112 H G POOL KLINGEL
 62051 LAB-DISC B2 9 MTUWTHF 112 H G POOL AUER
 NOTE: FIRST CLASS MEETING FOR BOTH SECTIONS WILL BE IN HUFF GYM POOL.

P E M 155 GYMNASTICS.
 1 HOUR
 FIRST HALF OF SEMESTER.
 62069 LAB-DISC A1 8 MTUWTHF 312NE M O G POND
 86861 LAB-DISC A2 8 MTUWTHF 312NE M O G CURZI
 NOTE: INSTRUCTOR WILL SCHEDULE LAB MEETINGS IN MOG BY ARRANGEMENT.

P E M 156 WRESTLING.
1 HOUR
FIRST HALF OF SEMESTER.
62077 LAB-DISC B1 9 MTUWTHF 115 MOG ANNEX ROBINSON
62085 LAB-DISC B2 9 MTUWTHF 115 MOG ANNEX CASE
NOTE: INSTRUCTOR WILL SCHEDULE LAB MEETINGS IN MOG ANNEX BY
ARRANGEMENT.

P E M 157 TRACK AND FIELD.
1 HOUR
LECTURE ON FRIDAYS, ALTERNATING WITH PEM 158.
SECOND HALF OF SEMESTER.
INSTRUCTION BEGINS ON TUESDAY, APRIL 7.
62093 LAB-DISC L1 8-10 TU THF WEST STADIUM WRIGHT
62107 LAB-DISC L2 8-10 TU THF WEST STADIUM WIENEKE
NOTE: INSTRUCTORS WILL SCHEDULE LAB MEETING ON STADIUM TRACK
BY ARRANGEMENT. FIRST MEETING IN WEST GREAT HALL OF MEMORIAL
STADIUM.

P E M 158 BASEBALL.
1 HOUR
LECTURE ON FRIDAYS, ALTERNATING WITH PEM 157.
SECOND HALF OF SEMESTER.
INSTRUCTION BEGINS ON WEDNESDAY, APRIL 8.
62115 LAB-DISC A1 8-10 M W F 202 M O G EILBRACHT
86870 LAB-DISC A2 8-10 M W F 202 M O G KITTLESON
NOTE: INSTRUCTOR WILL SCHEDULE LAB MEETINGS ON THE BASEBALL
DIAMOND BY ARRANGEMENT.

P E M 161 SPECIAL SPORTS (SOCCER AND VOLLEYBALL).
1 HOUR
SOCCER BEGINS ON WEDNESDAY, APRIL 8, ON FIELD A, H G.
62123 LAB-DISC C 9 M W F 302 H G KEENAN

P E M 162 SPECIAL SPORTS (TENNIS AND SQUASH).
1 HOUR
INSTRUCTOR WILL SCHEDULE LAB MEETINGS ON TENNIS COURTS,
EAST STADIUM. TENNIS WILL BEGIN ON MONDAY, APRIL 6.
62131 LAB-DISC F 1-3 M W 84 H G OLSON & WADE

P E M 163 SPECIAL SPORTS (LACROSSE AND HANDBALL).
1 HOUR
LACROSSE WILL BEGIN ON WEDNESDAY, APRIL 8 ON FIELD B, HUFF GYM.
62140 LAB-DISC A 8 M W F 84 H G CRAIG & PASH

P E M 164 SPECIAL SPORTS (GOLF AND FENCING).
1 HOUR
GOLF WILL BEGIN ON MONDAY, APRIL 6.
62158 LAB-DISC 1-3 TU TH 302 H G YOUNGBERG AND
GRENINGER

P E M 166 ELEMENTARY SCHOOL GAMES.
3 HOURS
MEETS WITH P. E. W. 166.
62166 LECT-DISC N 9-11 TU TH 11 FREER GYM
62174 LECT-DISC C 10-12 W F 11 FREER GYM

P E M 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
62182 CONFD ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

P E M 204 ADMINISTRATION OF PHYSICAL EDUCATION.
PREREQUISITE: SENIOR STANDING IN PHYSICAL EDUCATION.
3 HOURS
THIS COURSE WILL NOT MEET DURING THE SIX WEEKS
STUDENT TEACHING PERIOD.
62191 LECT-DISC F1 1 MTUWTHF 207A H G FALLON

P E M 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION AND RECREATION.
3 HOURS
*SIX ADDITIONAL LABORATORY SESSIONS 3-5 P.M. M. OR 7-9 P.M. TU.
THIS COURSE WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

62204	LECT-DISC	C1	*10	MTUWTHF	300	H G	POHNOORF
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P E M 206 KINESIOLOGY.
PREREQUISITE: PHYSL. 103 AND 234.
3 HOURS

62212	LECT-DISC	C1	10	MTUWTHF	202	M O G	BOILEAU
62221	LECT-DISC	G1	2	MTUWTHF	202	M O G	BOILEAU

P E M 207 PREVENTION AND CARE OF ATHLETIC INJURIES.
PREREQUISITE: PHYSL. 103 AND 234.
3 HOURS

62239	LECT	M1	9	TU TH	207	H G	BENKE
	LAB	M1	11-1	TU	ARR		

P E M 208 THEORY OF PRESCRIBING EXERCISE.
PREREQUISITE: PHYSL. 103 AND 234.
3 HOURS
*THREE ADDITIONAL HOURS TO BE ARRANGED.

62247	LAB-DISC	L1	*8	TU TH	202	M O G	SHELTON
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P E M 209 HISTORY OF SPORT.
PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

62255	LECT-DISC	O	11	M W F	209	H G	MOORE
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P E M 210 INSPECTION TRIP.
0 CREDIT
THREE DAYS--ESTIMATED EXPENSE, \$30 TO \$40.
30TH ANNUAL INSPECTION TRIP--DATES TO BE ANNOUNCED.
FIRST MEETING--FEBRUARY 18, 7 PM, 209 HUFF GYM, FINAL MEETING TO BE ARRANGED.

62263	LAB-DISC		ARR				FALLON
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P E M 213 ADVANCED FOOTBALL.
PREREQUISITE: P. E. M. 152.
1 HOUR
SECOND HALF OF SEMESTER.
INSTRUCTION BEGINS ON WEDNESDAY, APRIL 8.

62271	LAB-DISC	O	11	M W F	207A	H G	STAUBER
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P E M 214 ADVANCED BASKETBALL.
PREREQUISITE: P. E. M. 151.
1 HOUR
FIRST HALF OF SEMESTER.

62280	LAB-DISC	O	11	M W F	207A	H G	CAMPBELL
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P E M 215 ADVANCED GYMNASTICS.
PREREQUISITE: P. E. M. 155, OR CONSENT OF INSTRUCTOR.
2 HOURS
*AN ADDITIONAL 2 HOURS OF LABORATORY WORK PER WEEK TO BE ARRANGED.

62298	LAB-DISC	P	*6PM	TU TH	312NE	M O G	PONO
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P E M 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
PREREQUISITE: JUNIOR STANDING, AND A NON-PHYSICAL EDUCATION STUDENT.
2 HOURS
MEETS WITH P. E. W. 220.
*SECTIONS G1 AND H1 FOR GRADES K-2
*SECTIONS G2 AND H2 FOR GRADES 3-6.

62301	LECT-DISC	*G1	1	M W F	218	E B	
62328	LECT-DISC	*G2	1-	M W F	11	E B	
62310	LECT-DISC	*H1	3	M W F	218	E B	
62336	LECT-DISC	*H2	3	M W F	11	E B	

P E M 225 SUPERVISED EXPERIENCE IN PHYSICAL EDUCATION.
 PREREQUISITE: JUNIOR STANDING.
 *MUST BE REPEATED FOR A TOTAL OF 3 HOURS. TWO HOURS CREDIT IS
 EARNED WHEN FIRST COMPLETED AND 1 HOUR WHEN REPEATED.
 *1 OR 2 HOURS
 62344 LAB-DISC ARR YOUNGBERG,
 HARRISON, AND
 HOTTINGER

NOTE: FIRST CLASS MEETING WILL BE AT 630 PM MON., FEB. 16,
 ROOM 202 MENS OLD GYM.

P E M 235 SQUARE AND BALLROOM DANCE.
 2 HOURS
 MEETS WITH P. E. W. 235.
 62352 LAB-DISC R 1-3 TU TH 218 E B FALLON
 62361 LAB-DISC X 7-9PM M W 218 E B FALLON

P E M 240 PHYSIOLOGY OF HUMAN EXERCISE.
 SAME AS P. E. W. 240.
 PREREQUISITE: PHYS. 103 AND 234.
 3 HOURS
 62379 LECT-DISC I MTWTH 209 H G BOILEAU

P E M 250 SPECIAL PROBLEMS.
 PREREQUISITE: JUNIOR OR SENIOR STANDING; MINIMUM GRADE POINT
 AVERAGE OF 3.5; CONSENT OF FACULTY ADVISOR AND INSTRUCTOR.
 APPROVAL OF DEPARTMENT HEAD.
 *MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.
 *2 OR 3 HOURS
 62387 LAB-DISC ARR FLANIGAN,
 TREKELL, AND
 BOILEAU

P E M 260 HONORS SEMINAR.
 SAME AS H. ED. P. E. W., AND REC. 260.
 PREREQUISITE: JAMES SCHOLAR OR GRADE-POINT AVERAGE OF 4.0 THE
 PRECEDING SEMESTER; CONSENT OF FACULTY ADVISOR, INSTRUCTOR AND HEAD
 OF DEPARTMENT.
 *MAY BE REPEATED FOR A TOTAL OF 6 HOURS CREDIT.
 *2 HOURS
 62395 LECT-DISC EX1 7-9PM TU 15 E B STAFF
 62409 LECT-DISC EX2 7-9PM TU 207B FREER GYM
 62417 LECT-DISC EX3 7-9PM TU TH 209 H G

P E M 271 ADMINISTRATION OF HIGH SCHOOL SPORT PROGRAMS.
 3 HOURS
 62425 LECT-DISC C 10 M W F 170 COM W FLANIGAN AND
 MATTHEWS

P E M 272 ORGANIZATION OF AQUATIC PROGRAMS.
 SAME AS P. E. W. AND REC. 272.
 2 HOURS
 62433 LECT-DISC M 9 TU TH 154 ARMORY POHNDORF

PHYSICAL EDUCATION

DEPARTMENT OFFICE

121 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

P E 302 PROBLEMS OF FACILITIES PLANNING, CONSTRUCTION, AND
 UTILIZATION.
 PREREQUISITE: P. E. M. 204 OR P. E. W. 204, OR EQUIVALENT, OR
 CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 62441 LECT-DISC 7-9PM W 211 H G KELLER

P E 303 INTERNATIONAL PHYSICAL EDUCATION AND SPORT.
 PREREQUISITE: P. E. W. OR P. E. M. 209, OR CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 62450 LECT-DISC 730-930PM M 207 H G JOHNSON

COURSES FOR GRADUATES

P E 402 HISTORY OF PHYSICAL EDUCATION AND SPORT.
 PREREQUISITE: P. E. M. OR P. E. W. 209 OR EQUIVALENT.
 1 UNIT
 62468 LECT-DISC 930-12 TU 207A H G TREKELL

P E 407 SPORT PSYCHOLOGY.
 PREREQUISITE: PSYCH. 100, ED. PSY. 211, CONSENT OF INSTRUCTOR.
 1 UNIT
 *TWO ADDITIONAL HOURS 2-4 TUESDAY OR ARRANGE.
 62476 LECT-DISC *4-6 TU 301 H G HUBBARD

P E 408 PRINCIPLES OF KINESIOTHERAPY.
 PREREQUISITE: ANATOMY, PHYSIOLOGY, KINESIOLOGY, AND
 PHYSIOLOGY OF EXERCISE, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 *THREE ADDITIONAL HOURS IN EXERCISE THERAPY CLINIC SELECTED FROM
 THE PERIODS 3-6 M, W, OR F.
 62484 LECT-DISC *11 TU TH 202 M O G SHELTON

P E 416 EXPERIMENTAL KINESIOLOGY.
 PREREQUISITE: PHYSIOL. 234 OR EQUIVALENT; P. E. M. OR P. E. W. 206 OR
 EQUIVALENT; OR CONSENT OF INSTRUCTOR.
 1 UNIT
 62492 LECT-DISC 9-1130 W 301 H G HUELSTER

P E 452 SCIENTIFIC ANALYSIS OF PHYSICAL EDUCATION ACTIVITIES.
 PREREQUISITE: ANATOMY, PHYSIOLOGY, KINESIOLOGY, ELEMENTARY PHYSICS,
 ALGEBRA AND TRIGONOMETRY, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 *TWO ADDITIONAL HOURS 4-6 WEDNESDAY OR ARRANGE.
 62506 LECT-DISC *2-4 W 211 H G MASSEY

P E 490 SEMINAR.
 NO CREDIT
 *SECTION U1 FOR STUDENTS INTERESTED PRIMARILY IN RESEARCH
 RELATED TO NATURAL SCIENCES.
 *SECTION U2 FOR STUDENTS CONCERNED WITH RESEARCH IN HUMANITIES
 AND SELECTED SOCIAL SCIENCES.
 *SECTION U3 FOR STUDENTS INTERESTED PRIMARILY IN RESEARCH
 RELATED TO SPORT PSYCHOLOGY AND MOTOR LEARNING.
 ALL SECTIONS WILL MEET IN 209 HUFF GYM ON THE SECOND AND FOURTH
 THURSDAYS OF EACH MONTH.
 62514 LECT-DISC *U1 3-5 TH 209 H G MASSEY
 62522 LECT-DISC *U2 3-5 TH 207 H G RAZOR
 62531 LECT-DISC *U3 3-5 TH 301 H G HUBBARD

P E 493 SPECIAL PROJECTS.
 1/2 OR 1 UNIT
 *SECTION E2 IS A SMALL GROUP IN SPORT AND PLAY
 PRACTICUM--CREDIT 1 UNIT.
 62549 CONF E1 ARR
 62557 LECT-DISC *E2 1-330 F 207 H G STAFF
 LANDERS AND
 LUSCHEN

P E 499 THESIS RESEARCH.
 0 TO 4 UNITS
 62573 CONF C ARR CURETON
 62581 CONF F ARR FRANKS
 62590 CONF H1 ARR HUBBARD
 62603 CONF H2 ARR HUELSTER
 62611 CONF M ARR MASSEY
 62620 CONF P ARR POHNDORF
 62638 CONF Z ARR ZEIGLER
 62646 CONF ARR STAFF

PHYSICAL EDUCATION FOR WOMEN

DEPARTMENT OFFICE

117 FREER GYM

BASIC INSTRUCTION COURSES

COURSES FOR UNDERGRADUATES

FRESHMEN AND SOPHOMORES: OF THE FOUR SEMESTERS REQUIRED IN PHYSICAL EDUCATION, THE DEPARTMENT RECOMMENDS ONE SEMESTER OF BASIC MOVEMENT (PEW 100) AND RECOMMENDS ONE SEMESTER OF SWIMMING (PEW 110 OR 111). ANY COURSE NOT PREVIOUSLY TAKEN MAY BE TAKEN IN THE TWO REMAINING SEMESTERS.

NOTE: MOST PEW BASIC INSTRUCTION COURSES HAVE BEEN ARRANGED IN SEQUENCES IN ORDER TO BETTER INSURE THE ADVANCE ENROLLEES A COURSE OF THEIR CHOICE. THESE SEQUENCES ARE AS FOLLOWS:

SEQUENCE 1 - PEW 107, 111, 122, 124, 136
SEQUENCE 2 - PEW 104, 110, 121, 123, 132, 135
SEQUENCE 3 - PEW 120, 130, 133, 138, 142, 145

STUDENTS REQUESTING A COURSE IN ONE OF THE ABOVE SEQUENCES WILL BE SCHEDULED IN ONE OF THE OTHER COURSES IN THAT SEQUENCE IF SECTIONS OF THE REQUESTED COURSE ARE CLOSED.

P E W 100 BASIC MOVEMENT.

1 HOUR

*SECTION G MEETS WITH PEM 116-OPEN ONLY TO VOICE AND THEATRE MAJORS.

62654	LAB	B	9-1015	M W	26	E B
62786	LAB	*G	2	M W F	311	FREER GYM
62662	LAB	I	4-515	W F	311	FREER GYM
62671	LAB	II	4-515	M W	218	E B
62689	LAB	J	5-615	M W	311	FREER GYM
62697	LAB	M	8	TU TH	310	FREER GYM
62701	LAB	N	9-1015	TU TH	218	E B
62719	LAB	O	10-1115	TU TH	218	E B
62727	LAB	P	11-1215	TU TH	26	E B
62735	LAB	Q	12-115	TU TH	311	FREER GYM
62743	LAB	S	2-315	TU TH	311	FREER GYM
62751	LAB	T	3-415	TU TH	311	FREER GYM
62760	LAB	U	4-515	TU TH	311	FREER GYM
62778	LAB	V	5-615	TU TH	310	FREER GYM

P E W 101 PRESCRIBED EXERCISE.

PREREQUISITE: RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.

1 HOUR

*SECTION X IS FOR PARAPLEGIC AND HANDICAPPED STUDENTS.

62794	LAB	D	11	M W F	215	FREER GYM
62808	LAB	O	10-1115	TU TH	215	FREER GYM
62816	LAB	*X	4	M W F	116	E B POOL

P E W 102 MODIFIED ACTIVITIES.

PREREQUISITE: RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.

1 HOUR

*THESE SECTIONS EMPHASIZE FIGURE ANALYSIS.

62859	LAB	*B	9-1015	M W	215	FREER GYM
62824	LAB	C	10	M W F	215	FREER GYM
62867	LAB	*E	12	M W F	215	FREER GYM
62875	LAB	*H	3-415	W F	215	FREER GYM
62883	LAB	*K	6-715PM	M W	215	FREER GYM
86888	LAB	*K1	7-815PM	M W	215	FREER GYM
62891	LAB	*L	8-915PM	M W	215	FREER GYM
62832	LAB	P	11-1215	TU TH	215	FREER GYM
62905	LAB	*Q	12-115	TU TH	215	FREER GYM
62841	LAB	T	3-415	TU TH	215	FREER GYM
86896	LAB	*W	6-715PM	TU TH	215	FREER GYM
62913	LAB	*Y	7-815PM	TU TH	215	FREER GYM

P E W 104 MODERN DANCE.

1 HOUR

*SECTIONS D AND H ARE FOR PHYSICAL EDUCATION MAJORS ONLY.

62921	LAB	A	8	M W	10	FREER GYM
62930	LAB	C	10	M W F	26	E 8
63005	LAB	*D	11	MTUWTH	218	E 8
62948	LAB	E	12	M W F	26	E 8
63013	LAB	*H	3	MTUWTH	26	E 8
62956	LAB	M	8	TU TH	10	FREER GYM
62964	LAB	N	9-1015	TU TH	310	FREER GYM
62972	LAB	P	11-1215	TU TH	311	FREER GYM
62981	LAB	R	1-215	TU TH	311	FREER GYM
62999	LAB	V	5-615	TU TH	311	FREER GYM

P E W 107 MODERN GYMNASTICS, I.

1 HOUR

63021	LAB	C	10-1115	M W	311	FREER GYM
63030	LAB	D	11-1215	M W	311	FREER GYM
63048	LAB	K	6-715PM	M W	311	FREER GYM
63056	LAB	K1	7-815PM	M W	311	FREER GYM
63064	LAB	W	6-715PM	TU TH	311	FREER GYM
63072	LAB	X	7-815PM	TU TH	311	FREER GYM

P E W 108 MODERN GYMNASTICS, II.

PREREQUISITE: P. E. W. 107 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.

1 HOUR

63081	LAB	O	10-1115	TU TH	311	FREER GYM
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P E W 110 ELEMENTARY SWIMMING.

1 HOUR

63099	LAB	A	8	M W F	116	E 8 POOL
63102	LAB	E	12-1230	M W F	116	E 8 POOL
63111	LAB	E1	1245-115	M W F	116	E 8 POOL
63129	LAB	F	130-2	M W F	116	E 8 POOL
63137	LAB	G	210-240	M W F	116	E 8 POOL
63145	LAB	H	310-340	M W F	116	E 8 POOL
63153	LAB	I	410-440	M W F	116	E 8 POOL

P E W 111 SUB-INTERMEDIATE SWIMMING.

1 HOUR

63161	LAB	B	9-1015	M W	116	E 8 POOL
63170	LAB	C	10-1115	M W	116	E 8 POOL
63188	LAB	M	8	TU TH	116	E 8 POOL
63196	LAB	N	9-1015	TU TH	116	E 8 POOL
63200	LAB	S	2-315	TU TH	116	E 8 POOL
63218	LAB	T	3-415	TU TH	116	E 8 POOL

P E W 112 INTERMEDIATE SWIMMING.

1 HOUR

63226	LAB	K	6-715PM	M W	116	E 8 POOL
63234	LAB	O	11-1215	TU TH	116	E 8 POOL
63242	LAB	P	12-115	TU TH	116	E 8 POOL

P E W 114 LIFE SAVING.

PREREQUISITE: P. E. W. 112 OR EQUIVALENT.

1 HOUR

63251	LAB	C	10-1115	TU TH	116	E 8 POOL
63269	LAB	W	6-715PM	TU TH	116	E 8 POOL
63277	LAB	Z	10-12	S	116	E 8 POOL

P E W 115 SYNCHRONIZED SWIMMING.

PREREQUISITE: P. E. W. 112.

1 HOUR

63285	LAB	J	5-615	M W	116	E 8 POOL
63293	LAB	V	5-615	TU TH	116	E 8 POOL

P E W 116 DIVING.

PREREQUISITE: P. E. W. 112 OR CONSENT OF INSTRUCTOR.

1 HOUR

FIRST CLASS MEETINGS FOR BOTH SECTIONS IN ROOM 207 HUFF GYM.

63307	LAB	X	7-815PM	TU TH	112	H G POOL
63315	LAB	Y	8-915PM	TU TH	112	H G POOL

P E W 117 WATER SAFETY.
 PREREQUISITE: AMERICAN RED CROSS SENIOR LIFE SAVING CERTIFICATE.
 1 HOUR
 63323 LAB C 10-12 F 116 E B POOL
 63331 LAB L 7-9PM W 116 E B POOL
 63340 LAB R 1-215 TU TH 116 E B POOL

P E W 118 COMPETITIVE SWIMMING.
 PREREQUISITE: P. E. W. 112 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
 1 HOUR
 63358 LAB U 4-515 TU TH 116 E B POOL

P E W 120 HOCKEY.
 1 HOUR
 ALL SECTIONS MEET FOR THE LAST EIGHT WEEKS ONLY, BEGINNING
 APRIL 6. FIRST CLASS MEETING IN 210 FREER GYM.
 63366 LAB B 9-1015 MTUWTH HOCKEY FLD FREER

P E W 121 LACROSSE.
 1 HOUR
 ALL SECTIONS MEET FOR THE LAST EIGHT WEEKS ONLY, BEGINNING
 APRIL 6. FIRST CLASS MEETING IN 210 FREER GYM.
 63374 LAB E 12-115 MTUWTH HOCKEY FLD FREER

P E W 122 SPOE0BALL.
 1 HOUR
 ALL SECTIONS MEET FOR THE LAST EIGHT WEEKS ONLY, BEGINNING
 APRIL 6. FIRST CLASS MEETING IN 210 FREER GYM.
 63382 LAB F 1-215 MTUWTH SPOBLL FLD FREER

P E W 123 BASKETBALL.
 1 HOUR
 63391 LAB B 9-1015 M W 310 FREER GYM
 63404 LAB F 1-215 M W 26 E B
 63412 LAB I 4-515 M W 310 FREER GYM
 63421 LAB J 5-615 M W 310 FREER GYM
 63439 LAB O 10-1115 TU TH 26 E B

P E W 124 VOLLEYBALL.
 1 HOUR
 *SECTION X AND X1 FOR EXPERIENCED PLAYERS ONLY. MEET WITH
 P. E. M. 129.
 63447 LAB A 8 M W 218 E B
 63455 LAB A1 8 M W 26 E B
 63463 LAB B 9-1015 M W 218 E B
 63471 LAB C 10-1115 M W 218 E B
 63480 LAB E 12-115 M W 218 E B
 63498 LAB E1 12-115 TU TH 26 E B
 63501 LAB K 6-715PM M W 310 FREER GYM
 63510 LAB K1 7-815PM M W 310 FREER GYM
 63528 LAB L 8-915PM M W 26 E B
 63536 LAB M 8 TU TH 218 E B
 63544 LAB M1 8 TU TH 26 E B
 63552 LAB Q 12-115 TU TH 218 E B
 63561 LAB T 3-415 TU TH 218 E B
 63579 LAB U 4-515 TU TH 218 E B
 63587 LAB U1 4-515 TU TH 26 E B
 63595 LAB V 5-615 TU TH 218 E B
 63609 LAB V1 5-615 TU TH 26 E B
 63617 LAB W 6-715 TU TH 218 E B
 63641 LAB *X 7-815PM TU TH 26 E B
 63625 LAB *X1 7-815PM M W 26 E B
 63633 LAB Y 8-915PM TU TH 26 E B

P E W 130 BADMINTON.

1 HOUR					
63650	LAB	A	8	M W	310 FREER GYM
63668	LAB	O	1110-1140	M W F	26 E B
63676	LAB	G	2-315	M W	26 E B
63684	LAB	I	4-515	M W	26 E B
63692	LAB	J	5-615	M W	26 E B
86900	LAB	K	6-715PM	M W	26 E B
63706	LAB	N	9-1015	TU TH	26 E B
63714	LAB	R	1-215	TU TH	26 E B
63722	LAB	S	2-315	TU TH	26 E B
63731	LAB	T	3-415	TU TH	310 FREER GYM
63749	LAB	U	4-515	TU TH	310 FREER GYM
63757	LAB	W	6-715PM	TU TH	26 E B
63765	LAB	W1	6-715PM	TU TH	310 FREER GYM
63773	LAB	X	7-815PM	TU TH	310 FREER GYM

P E W 131 GOLF.

1 HOUR

IT IS NOT NECESSARY TO HAVE YOUR OWN CLUBS TO TAKE GOLF.
\$18.00 FEE COVERS CLUB RENTAL, GREEN FEES AND ROUND TRIP
TRANSPORTATION FROM FREER GYMNASIUM TO PAR 3 ON
U. S. 45 SOUTH. CLUB RENTAL WHEN PLAYING ON THE PAR 3
COURSE WILL BE AN ADDITIONAL \$0.25.

*SECTION U IS FOR EXPERIENCED GOLFERS ONLY.

ALL SECTIONS MEET FOR THE LAST EIGHT WEEKS ONLY, BEGINNING
APRIL 6.

63781	LAB	E	12-2	M W	11 FREER GYM
63790	LAB	E1	12-2	M W	11 FREER GYM
63803	LAB	G	2-4	M W	11 FREER GYM
63811	LAB	G1	2-4	M W	11 FREER GYM
63820	LAB	I	4-6	M W	11 FREER GYM
63838	LAB	Q	12-2	TU TH	11 FREER GYM
63846	LAB	Q1	12-2	TU TH	11 FREER GYM
63854	LAB	S	2-4	TU TH	11 FREER GYM
63862	LAB	S1	2-4	TU TH	11 FREER GYM
63871	LAB	*U	4-6	TU TH	11 FREER GYM

P E W 132 BOWLING.

1 HOUR

ALLEY SERVICE CHARGE, \$7.50.

63889	LAB	A	8	M W	60 I U ALLEYS
63897	LAB	A1	8	M W	60 I U ALLEYS
63901	LAB	B	9	M W	60 I U ALLEYS
63919	LAB	B1	9	M W	60 I U ALLEYS
63927	LAB	C	10	M W	60 I U ALLEYS
63935	LAB	C1	10	M W	60 I U ALLEYS
63943	LAB	D	11	M W	60 I U ALLEYS
63951	LAB	D1	11	M W	60 I U ALLEYS
63960	LAB	F	1	M W	60 I U ALLEYS

P E W 133 FENCING.

1 HOUR

ALL SECTIONS EXCEPT B MEET FOR THE FIRST EIGHT WEEKS ONLY.

64060	LAB	B	9-1015	M W	11 FREER GYM
63978	LAB	E	1210-1240	MTUWTHF	11 FREER GYM
63986	LAB	F	1250-120	MTUWTHF	11 FREER GYM
63994	LAB	F1	130-2	MTUWTHF	11 FREER GYM
64001	LAB	G	210-240	MTUWTHF	11 FREER GYM
64019	LAB	H	250-330	MTUWTH	11 FREER GYM
64027	LAB	H1	340-420	MTUWTH	11 FREER GYM
64035	LAB	I	430-510	MTUWTH	11 FREER GYM
64043	LAB	J	520-6	MTUWTH	11 FREER GYM
64051	LAB	K	6-640PM	MTUWTH	11 FREER GYM

P E W 135 ARCHERY.

1 HOUR

*SECTION D MEETS WITH P. E. M. 132 AND MEETS THE LAST EIGHT WEEKS
ONLY, BEGINNING APRIL 6.

*SECTION K MEETS THE LAST EIGHT WEEKS ONLY, BEGINNING APRIL 6.

64078	LAB	A	8	M W	11 FREER GYM
64094	LAB	*D	11	MTU THF	11 FREER GYM
64108	LAB	*K	6-710PM	MTUWTH	11 FREER GYM
64086	LAB	M	8	TU TH	11 FREER GYM

P E W 136 TENNIS.

1 HOUR

ALL SECTIONS MEET THE LAST EIGHT WEEKS ONLY, BEGINNING APRIL 6.
 64116 LAB C 1010-1040 MTUWTH COURTS FREER GYM
 64124 LAB D 11-1130 MTUWTH COURTS FREER GYM
 64132 LAB D1 1140-1210 MTUWTH COURTS FREER GYM
 64141 LAB E 1220-1250 MTUWTH COURTS FREER GYM
 64159 LAB F 1-130 MTUWTH COURTS FREER GYM
 64167 LAB F1 140-210 MTUWTH COURTS FREER GYM
 64175 LAB G 220-3 MTUWTH COURTS FREER GYM
 64183 LAB H 310-350 MTUWTH COURTS FREER GYM
 86918 LAB K 6-8PM M W COURTS FREER GYM

P E W 138 TRACK AND FIELD.

1 HOUR

ALL SECTIONS MEET THE LAST EIGHT WEEKS ONLY BEGINNING APRIL 6.
 64191 LAB Q 12-115 TU TH 310 FREER GYM
 64205 LAB P 11-1215 TU TH EAST FLD FREER

P E W 139 GOLF, II.

SAME AS P. E. W. 139.

PREREQUISITE: P. E. W. 131 OR P. E. W. 138, AND CONSENT OF INSTRUCTOR.

1 HOUR

IT IS NOT NECESSARY TO HAVE YOUR OWN CLUBS TO TAKE GOLF. \$18.00 FEE COVERS CLUB RENTAL, GREEN FEES AND ROUND TRIP TRANSPORTATION FROM FREER GYM TO PAR 3 ON U. S. ROUTE 45 SOUTH. CLUB RENTAL WHEN PLAYING ON THE PAR 3 COURSE WILL BE AN ADDITIONAL \$0.25.

ALL SECTIONS MEET FOR THE LAST EIGHT WEEKS ONLY, BEGINNING APRIL 6.
 ALL SECTIONS ARE CO-EDUCATIONAL.

64213 LAB JJ 4-6 M W PAR3 RT 45 SOUTH
 64221 LAB TT 4-6 TU TH PAR3 RT 45 SOUTH

P E W 140 ADVANCED TENNIS.

PREREQUISITE: P. E. W. 136 OR CONSENT OF INSTRUCTOR.

1 HOUR

ALL SECTIONS MEET THE LAST EIGHT WEEKS ONLY, BEGINNING APRIL 6.
 86926 LAB K 6-8PM TU TH COURTS FREER GYM
 64230 LAB U 4-6 TU TH COURTS FREER GYM

P E W 142 BALLROOM DANCE.

1 HOUR

MEETS WITH P.E.W. 142.

64272 LAB H 3 M W 6 OGLESBY
 64281 LAB I 4 M W 6 OGLESBY
 64299 LAB L 7PM M W 6 OGLESBY
 64248 LAB N 9 TU TH 302 H G
 64256 LAB J 10 TU TH 302 H G
 64264 LAB P 11 TU TH 302 H G
 86934 LAB R 3 M W 302 H G
 86942 LAB T 2 M W 302 H G

P E W 143 AMERICAN SQUARE DANCE.

1 HOUR

MEETS WITH P.E.W. 143.

64302 LAB S 3 TU TH 302 H G

P E W 144 TECHNIQUES IN ANGLING.

SAME AS P. E. W. 144.

1 HOUR

MEETS FOR THE LAST EIGHT WEEKS ONLY, BEGINNING APRIL 6.

64311 LAB G 2 MTUWTH ARMORY FLOOR

P E W 145 FIGURE SKATING.

1 HOUR

MEETS WITH P.E.W. 145.

ALL SECTIONS MEET THE FIRST EIGHT WEEKS ONLY.

64329 LAB A 8 MTUWTH 120S ICE RINK
 64337 LAB B 9-1015 MTUWTH 120S ICE RINK
 64345 LAB C 10 MTUWTH 120S ICE RINK
 64353 LAB O 11 MTUWTH 120S ICE RINK
 64361 LAB E 12 MTUWTH 120S ICE RINK
 64370 LAB F 1 MTUWTH 120S ICE RINK
 64388 LAB G 2 MTUWTH 120S ICE RINK

PROFESSIONAL COURSES FOR MAJORS IN PHYSICAL EDUCATION FOR WOMEN

DEPARTMENT OFFICE

117 FREER GYM

COURSES FOR UNDERGRADUATES

P E W 150 PROFESSIONAL ORIENTATION.

2 HOURS

64396	LECT-DISC	T	3	TU TH	130	FREER GYM
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P E W 151 BASIC MOVEMENT AND BODY MECHANICS.

1 HOUR

64400	LAB	H	3	M W F	310	FREER GYM
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P E W 153 BASKETBALL AND TRACK AND FIELD.

1 HOUR

64418	LECT	1	1-3	F	310	FREER GYM
64426	LAB	F	1	M W	310	FREER GYM
64434	LAB	G	2	M W	310	FREER GYM
64442	LAB	R	1	TU TH	310	FREER GYM
64451	LAB	S	2	TU TH	310	FREER GYM

P E W 155 GYMNASTICS AND APPARATUS II AND TENNIS.

PREREQUISITE: P. E. W. 154 OR CONSENT OF INSTRUCTOR.

1 HOUR

64469	LECT	1	B	F	242	BEV HALL
64477	LAB	A	8-10	M W	311	FREER GYM
64485	LAB	B	8-10	M W	311	FREER GYM
64493	LAB	L	8-10	TU TH	311	FREER GYM
64507	LAB	M	8-10	TU TH	311	FREER GYM

P E W 156 STUNTS, TUMBLING, AND TRAMPOLINE.

PREREQUISITE: P. E. W. 151.

1 HOUR

64515	LAB	H1	3-5	M	311	FREER GYM
		H1	7-9PM	W	312NE	M O G
64523	LAB	H2	3-5	M	215	FREER GYM
		H2	7-9PM	W	312NE	M O G

P E W 165 TEACHING OF SWIMMING.

PREREQUISITE: SOPHOMORE STANDING, P. E. W. 112 AND 151.

2 HOURS

*ONE ADDITIONAL HOUR TO BE ARRANGED.

64531	LECT	C	10	M W	11	E B
	LAB	C	*11	M W	116	E B POOL

P E W 166 ELEMENTARY SCHOOL GAMES.

PREREQUISITE: SOPHOMORE STANDING; CREDIT OR REGISTRATION IN PSYCH. 216 OR 217 OR EOPSY. 236.

3 HOURS

*ONE ADDITIONAL HOUR CONFERENCE PER WEEK TO BE ARRANGED.

MEETS WITH P.E.W. 166.

64540	LECT-DISC	N	*9-11	TU TH	11	FREER GYM
64558	LECT-DISC	C	*10-12	W F	11	FREER GYM

P E W 167 TEACHING OF GYMNASTICS AND DANCE.

PREREQUISITE: JUNIOR STANDING, P. E. W. 154, 155, 166, DANCE 160.

2 HOURS

64566	LAB-DISC	E1	12	M W F	310	FREER GYM
64574	LAB-DISC	E2	12	M W F	311	FREER GYM

P E W 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

64582	CONF	X1	ARR
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COURSES FOR ADVANCED UNDERGRADUATES

P E W 204 ORGANIZATION OF PHYSICAL EDUCATION.
PREREQUISITE: CONCURRENT REGISTRATION IN ED. PR. 238, 242, AND 250.
3 HOURS
WILL NOT MEET DURING THE TEN-WEEK STUDENT TEACHING PERIOD.
64591 LECT-DISC B 9 MTUWTHF 11 E 8

P E W 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION.
PREREQUISITE: JUNIOR STANDING. CONCURRENT REGISTRATION IN P. E. W. 213 AND 215.
3 HOURS
64604 LECT-DISC N 10 TU TH W115 T H
N 11 TU W115 T H

P E W 206 KINESIOLOGY.
PREREQUISITE: PHYSL. 103 AND 234.
3 HOURS
*SECTION F1 IS FOR OCCUPATIONAL THERAPY STUDENTS.
64612 LECT-DISC F2 1-3 M W 130 FREER GYM
64621 LECT-DISC R 1-3 TU TH 130 FREER GYM
64639 LECT-DISC *F1 1 M W F REHAB CENTER

P E W 208 THEORY OF PRESCRIBING EXERCISE.
PREREQUISITE: P. E. W. 206. CONCURRENT REGISTRATION IN P. E. W. 222.
3 HOURS
64647 LECT-DISC L 8 TU 130 FREER GYM
L 9 TU TH 130 FREER GYM

P E W 209 HISTORY OF SPORT.
PREREQUISITE: SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS
64655 LECT-DISC F 1 TU TH 207 H G
F 2 TU 207 H G

P E W 210 OBSERVATION TRIPS.
PREREQUISITE: JUNIOR STANDING.
TRIPS--ESTIMATED EXPENSE \$30.
0 CREDIT
64663 LAB J 5 M 210 FREER GYM

P E W 213 TEACHING OF TEAM SPORTS.
PREREQUISITE: JUNIOR STANDING; P. E. W. 151, 152, 153, 154, 166 AND P. E. W. 165 OR 214, OR CONSENT OF INSTRUCTOR. CONCURRENT REGISTRATION IN P. E. W. 205 AND 215.
4 HOURS
64671 LECT-DISC C 10 M W F 130 FREER GYM
C 11 M W 130 FREER GYM

P E W 214 TEACHING OF INDIVIDUAL SPORTS.
PREREQUISITE: JUNIOR STANDING; P. E. W. 151, 153, 155, 166 OR CONSENT OF INSTRUCTOR.
2 HOURS
64680 LECT-DISC N 10 TU TH 130 FREER GYM
N 11 TU 130 FREER GYM

P E W 215 SUPERVISED EXPERIENCE AND TEACHING, II.
PREREQUISITE: JUNIOR STANDING; P. E. W. 216; CONCURRENT REGISTRATION IN P. E. W. 205 AND 213.
0 CREDIT
64698 LECT-DISC D 11 F 130 FREER GYM

P E W 216 SUPERVISED EXPERIENCE AND TEACHING, I.
PREREQUISITE: JUNIOR STANDING; P. E. W. 166; COMPLETION OF ONE ELECTED INDIVIDUAL SPORT.
0 CREDIT
64701 LECT-DISC N 11 TH 130 FREER GYM

P E W 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
 PREREQUISITE: JUNIOR STANDING, NON-PHYSICAL EDUCATION MAJOR.
 2 HOURS
 *SECTIONS G1 AND H1 FOR GRADES K-2.
 *SECTIONS G2 AND H2 FOR GRADES 3-6.
 MEETS WITH P.E.M. 220.

64710	LECT-DISC *G1	1	M W F	218	E B
64736	LECT-DISC *G2	1	M W F	11	E B
64728	LECT-DISC *H1	3	M W F	218	E B
64744	LECT-DISC *H2	3	M W F	11	E B

P E W 222 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.
 PREREQUISITE: P. E. W. 154 AND 166, DANCE 235, 48 OR MORE HOURS
 OF APPROVED LABORATORY WORK WITH CHILDREN OR CONSENT OF INSTRUCTOR.
 CONCURRENT REGISTRATION IN P. E. W. 208.
 2 HOURS

64752	LECT-DISC A	B	M W F	130	FREER GYM
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P E W 235 SQUARE AND BALLROOM DANCE.
 2 HOURS
 MEETS WITH P. E. M. 235.

64761	LAB-DISC R	1-3	TU TH	218	E B
64779	LAB-DISC X	7-9PM	M W	218	E B

P E W 240 PHYSIOLOGY OF HUMAN EXERCISE.
 SAME AS P. E. M. 240.
 PREREQUISITE: PHYS. 103 AND 234.
 3 HOURS

64787	LECT-DISC	1	MTUWTH	209	H G
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P E W 250 SPECIAL PROBLEMS.
 PREREQUISITE: JUNIOR OR SENIOR STANDING; GRADE-POINT AVERAGE OF
 3.5; CONSENT OF FACULTY ADVISER, INSTRUCTOR AND HEAD OF DEPARTMENT.
 *MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS CREDIT.
 *2 OR 3 HOURS

64795	LECT-DISC	ARR			
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P E W 260 HONORS SEMINAR.
 SAME AS H. ED., P. E. M., AND REC. 260.
 PREREQUISITE: JAMES SCHOLAR OR GRADE-POINT AVERAGE OF 4.0 THE
 PRECEDING SEMESTER; CONSENT OF FACULTY ADVISER, INSTRUCTOR AND HEAD
 OF DEPARTMENT.
 *MAY BE REPEATED FOR A TOTAL OF 6 HOURS CREDIT.
 *2 HOURS
 SECTION 6X1 TOPIC: INTRODUCTION TO RESEARCH.
 SECTION 6X2 TOPIC: CURRENT PROBLEMS IN PHYSICAL EDUCATION.

64809	LECT-DISC 6X1	7-9PM	TU	15	E B
64817	LECT-DISC 6X2	7-9PM	TU	2078	FREER GYM
64825	LECT-DISC 6X3	7-9PM	TU TH	209	H G

P E W 272 ORGANIZATION OF AQUATIC PROGRAMS.
 SAME AS P. E. M. AND REC. 272.
 2 HOURS

64833	LECT-DISC M	9	TU TH	154	ARMORY
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PHYSICS

DEPARTMENT OFFICE

211 P B

ENGINEERING PHYSICS CURRICULUM--SEE UNDERGRADUATE STUDY CATALOG.

L.A.S. CURRICULUM IN PHYSICS--SEE UNDERGRADUATE STUDY CATALOG.

L.A.S. GENERAL CURRICULUM MAJOR: TWENTY HOURS IN PHYSICS, INCLUDING PHYSICS 321, 341, AND 342, AND EXCLUDING COURSES WITH NUMBERS LOWER THAN 270.

L.A.S. GENERAL CURRICULUM MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH NOT LESS THAN EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ASTRONOMY, CHEMISTRY, EDUCATION, GEOLOGY, MATHEMATICS, ZOOLOGY OR ANY ONE BRANCH OF ENGINEERING.

PHYSICS 101 AND 102 ARE RECOMMENDED TO PREMEDICAL, PREEDENTAL, ARCHITECTURE, AND OTHER STUDENTS NOT SPECIALIZING IN PHYSICS, MATHEMATICS, CHEMISTRY OR ENGINEERING.

THE CALCULUS PREREQUISITE FOR CERTAIN COURSES MAY BE SATISFIED EITHER BY MATH. 132 AND 142, OR MATH. 133 AND 143.

COURSES FOR UNDERGRADUATES

PHYS 101 GENERAL PHYSICS (MECHANICS, HEAT, AND SOUND).
FOR STUDENTS IN ARTS & SCIENCES AND ARCHITECTURE.
PREREQUISITE: TRIGONOMETRY.

5 HOURS

64841	LECT		2	TU TH	141	P B
64850	LAB	A	8-10	F	32	P B
	QUIZ	A	8-10	M	32	P B
64868	LAB	B	10-12	F	32	P B
	QUIZ	B	10-12	M	32	P B
64876	LAB	C	1-3	W	32	P B
	QUIZ	C	1-3	M	32	P B
64884	LAB	E	8-10	TH	32	P B
	QUIZ	E	8-10	TU	32	P B
64892	LAB	F	10-12	TH	32	P B
	QUIZ	F	10-12	TU	32	P B
64906	LAB	G	3-5	TH	32	P B
	QUIZ	G	3-5	TU	32	P B
64914	LAB	H	8-10	S	32	P B
	QUIZ	H	8-10	W	32	P B
64922	LAB	I	10-12	S	32	P B
	QUIZ	I	10-12	W	32	P B
64931	LAB	J	3-5	F	32	P B
	QUIZ	J	3-5	W	32	P B

WORTIS

PHYS 102 GENERAL PHYSICS (LIGHT, ELECTRICITY, AND MAGNETISM).
FOR STUDENTS IN ARTS & SCIENCES AND ARCHITECTURE.
PREREQUISITE: PHYSICS 101.

5 HOURS

64949	LECT	A	10	TU TH	151	P B
64957	LECT	B	1	TU TH	151	P B
64965	QUIZ	A1	8	M W	137	P B
64973	QUIZ	A2	8	M W	139	P B
64981	QUIZ	A3	8	M W	158	P B
64990	QUIZ	B1	9	M W	143	P B
65006	QUIZ	B2	9	M W	147	P B
65014	QUIZ	C1	10	M W	137	P B
65022	QUIZ	C2	10	M W	143	P B
65031	QUIZ	D1	11	M W	143	P B
65049	QUIZ	D2	11	M W	147	P B
65057	QUIZ	E1	1	M W	319	CER
65065	QUIZ	F1	2	M W	319	CER

LAZARUS
LAZARUS

PHYS 102 CONTINUED

65073	QUIZ	G1	8	TU TH	137	P B
65081	QUIZ	G2	8	TU TH	136	P B
65090	QUIZ	H1	9	TU TH	136	P B
65103	QUIZ	H2	9	TU TH	137	P B
65111	QUIZ	H3	9	TU TH	214	CER
65120	QUIZ	I1	10	TU TH	320	CER
65138	QUIZ	J1	2	TU TH	420	P B
65146	QUIZ	J2	3	TU TH	137	P B
65154	QUIZ	J4	4	TU TH	137	P B
65162	LAB	A1	12-3	M	132	P B
65171	LAB	A2	12-3	M	164	P B
65189	LAB	B1	3-6	M	132	P B
65197	LAB	B2	3-6	M	164	P B
65201	LAB	D1	12-3	TU	132	P B
65219	LAB	D2	12-3	TU	164	P B
65227	LAB	E1	3-6	TU	132	P B
65235	LAB	E2	3-6	TU	164	P B
65243	LAB	F1	12-3	W	132	P B
65251	LAB	F2	12-3	W	164	P B
65260	LAB	G1	3-6	W	132	P B
65278	LAB	G2	3-6	W	164	P B
65286	LAB	H1	8-11	TH	132	P B
65294	LAB	H2	8-11	TH	164	P B
65308	LAB	I1	12-3	TH	132	P B
65316	LAB	I2	12-3	TH	164	P B
65324	LAB	K1	9-12	F	132	P B
65332	LAB	K2	9-12	F	164	P B
65341	LAB	L1	12-3	F	132	P B
65359	LAB	L2	12-3	F	164	P B

PHYS 106 GENERAL PHYSICS (MECHANICS).

FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE: MATH. 122, 123; CREDIT OR REGISTRATION IN MATH.
132 OR 133.

4 HOURS

*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

65367	LECT	A	8	M W	141	P B
65375	LECT	B	10	M W	141	P B
65383	LECT	C	11	M W	141	P B
65391	LAB	A2	8-10	W	232	P B
	QUIZ	A2	8-10		143	P B
65405	LAB	A3	8-10	F	232	P B
	QUIZ	A3	8-10	M	319	CER
65782	LAB	*E82	8-10	W	264	P B
	QUIZ	*E82	8-10	F	147	P B
65413	LAB	B3	8-10	F	264	P B
	QUIZ	B3	8-10	M	258	P B
65421	LAB	C2	10-12	W	232	P B
	QUIZ	C2	10-12	F	147	P B
65430	LAB	C3	10-12	F	232	P B
	QUIZ	C3	10-12	M	160	M E B
65448	LAB	D2	10-12	W	264	P B
	QUIZ	D2	10-12	F	143	P B
65456	LAB	D3	10-12	F	264	P B
	QUIZ	D3	10-12	M	319	CER
65464	LAB	E1	1-3	M	232	P B
	QUIZ	E1	1-3	W	147	P B
65472	LAB	E2	1-3	W	232	P B
	QUIZ	E2	1-3	F	136	P B
65481	LAB	E3	1-3	F	232	P B
	QUIZ	E3	1-3	M	143	P B
65791	LAB	*E1	1-3	M	264	P B
	QUIZ	*E1	1-3	W	143	P B
65499	LAB	F2	1-3	W	264	P B
	QUIZ	F2	1-3	F	143	P B
65502	LAB	F3	1-3	F	264	P B
	QUIZ	F3	1-3	M	147	P B
65511	LAB	G1	3-5	M	232	P B
	QUIZ	G1	3-5	W	319	CER
65529	LAB	G2	3-5	W	232	P B
	QUIZ	G2	3-5	F	147	P B
65537	LAB	G3	3-5	F	232	P B
	QUIZ	G3	3-5	M	262	P B

FLYNN
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FLYNN

PHYS 106	CONTINUED						
65545	LAB	H1	3-5	M		264	P B
	QUIZ	H1	3-5		W	262	P B
65553	LAB	H2	3-5		W	264	P B
	QUIZ	H2	3-5		F	262	P B
65561	LAB	H3	3-5		F	264	P B
	QUIZ	H3	3-5	M		319	CER
65570	LAB	I1	8-10		TU	232	P B
	QUIZ	I1	8-10		TH	143	P B
65588	LAB	I2	8-10		TH	232	P B
	QUIZ	I2	8-10		S	143	P B
65596	LAB	I3	8-10		S	232	P B
	QUIZ	I3	8-10	TU		143	P B
65600	LAB	J1	8-10	TU		264	P B
	QUIZ	J1	8-10		TH	147	P B
65618	LAB	J2	8-10		TH	264	P B
	QUIZ	J2	8-10		S	147	P B
65626	LAB	J3	8-10		S	264	P B
	QUIZ	J3	8-10	TU		147	P B
65804	LAB	*EK1	10-12	TU		232	P B
	QUIZ	*EK1	10-12		TH	147	P B
65634	LAB	K2	10-12		TH	232	P B
	QUIZ	K2	10-12		S	147	P B
65642	LAB	K3	10-12		S	232	P B
	QUIZ	K3	10-12	TU		147	P B
65651	LAB	L1	10-12	TU		264	P B
	QUIZ	L1	10-12		TH	143	P B
65669	LAB	L2	10-12		TH	264	P B
	QUIZ	L2	10-12		S	143	P B
65677	LAB	L3	10-12		S	264	P B
	QUIZ	L3	10-12	TU		143	P B
65812	LAB	*GM1	1-3	TU		232	P B
	QUIZ	*GM1	1-3		TH	143	P B
65685	LAB	M2	1-3		TH	232	P B
	QUIZ	M2	1-3	TU		143	P B
65821	LAB	*GN1	1-3	TU		264	P B
	QUIZ	*GN1	1-3		TH	147	P B
65693	LAB	N2	1-3		TH	264	P B
	QUIZ	N2	1-3	TU		147	P B
65707	LAB	O1	3-5	TU		232	P B
	QUIZ	O1	3-5		TH	147	P B
65715	LAB	O2	3-5		TH	232	P B
	QUIZ	O2	3-5	TU		147	P B
65723	LAB	P1	3-5	TU		264	P B
	QUIZ	P1	3-5		TH	143	P B
65731	LAB	P2	3-5		TH	264	P B
	QUIZ	P2	3-5	TU		143	P B
65740	LAB	Q1	7-9PM		W	232	P B
	QUIZ	Q1	1-3	M		262	P B
65758	LAB	Q2	7-9PM		W	264	P B
	QUIZ	Q2	3-5	M		214	CER
65766	LAB	R1	7-9PM		TH	232	P B
	QUIZ	R1	3-5	TU		262	P B
65774	LAB	R2	7-9PM		TH	264	P B
	QUIZ	R2	3-5	TU		234	P B

PHYS 107 GENERAL PHYSICS (HEAT, ELECTRICITY, AND MAGNETISM).
 FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
 PREREQUISITE: PHYSICS. 106, CREDIT OR REGISTRATION IN MATH. 142
 OR 143.
 4 HOURS

*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

65839	LECT	B	11	TU TH		141	P B
65847	LAB	A3	8-10		F	234	P B
	QUIZ	A3	8-10	M		234	P B
65855	LAB	B3	8-10		F	262	P B
	QUIZ	B3	8-10	M		262	P B
65961	LAB	*GC3	10-12		F	234	P B
	QUIZ	*GC3	10-12	M		234	P B
65863	LAB	D3	10-12		F	262	P B
	QUIZ	D3	10-12	M		262	P B
65871	LAB	E2	1-3		W	234	P B
	QUIZ	E2	1-3		F	139	P B
65880	LAB	E3	1-3		F	234	P B
	QUIZ	E3	1-3	M		234	P B
65898	LAB	F2	1-3		W	262	P B
	QUIZ	F2	1-3		F	262	P B
65901	LAB	H3	3-5		F	234	P B
	QUIZ	H3	3-5	M		234	P B
65910	LAB	I2	8-10		TH	234	P B
	QUIZ	I2	8-10	TU		319	CER
65928	LAB	J2	8-10		TH	262	P B
	QUIZ	J2	8-10	TU		64	M E B

ANDERSON

PHYS 107 CONTINUED

65936	LAB	K1	10-12	TH	234	P B
	QUIZ	K1	10-12	TU	137	P B
65944	LAB	L1	10-12	TH	262	P B
	QUIZ	L1	10-12	TU	164	P B
65979	LAB	*6M2	1-3	TH	234	P B
	QUIZ	*6M2	1-3	TU	234	P B
65952	LAB	N2	1-3	TH	262	P B
	QUIZ	N2	1-3	TU	262	P B

PHYS 108 GENERAL PHYSICS (WAVE MOTION, SOUND, LIGHT AND MODERN PHYSICS).

FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE: PHYS. 107, CREDIT OR REGISTRATION IN MATH. 142 OR 143.

4 HOURS

*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

65987	LECT	A	2	M	W	141	P B
65995	LECT	B	4	M	W	141	P B
66001	LAB	A2	8-10		W	236	P B
	QUIZ	A2	8-10		F	319	CER
66010	LAB	A3	8-10		F	236	P B
	QUIZ	A3	8-10	M		236	P B
66028	LAB	B2	8-10		W	258	P B
	QUIZ	B2	8-10		F	32	P B
66036	LAB	B3	8-10		F	258	P B
	QUIZ	B3	8-10	M		156	M E B
66281	LAB	*6C2	10-12		W	236	P B
	QUIZ	*6C2	10-12		F	319	CER
66044	LAB	C3	10-12		F	236	P B
	QUIZ	C3	10-12	M		236	P B
66052	LAB	D2	10-12		W	258	P B
	QUIZ	D2	10-12		F	160	M E B
66061	LAB	D3	10-12		F	258	P B
	QUIZ	D3	10-12	M		258	P B
66079	LAB	E1	1-3		W	258	P B
	QUIZ	E1	1-3	M		137	P B
66087	LAB	E2	1-3		W	236	P B
	QUIZ	E2	1-3		F	137	P B
66095	LAB	E3	1-3		F	236	P B
	QUIZ	E3	1-3	M		1538	M E B
66109	LAB	F3	1-3		F	258	P B
	QUIZ	F3	1-3	M		156	M E B
66117	LAB	G2	3-5		W	236	P B
	QUIZ	G2	3-5		F	143	P B
66125	LAB	G3	3-5		F	236	P B
	QUIZ	G3	3-5	M		137	P B
66133	LAB	H2	3-5		W	258	P B
	QUIZ	H2	3-5		F	137	P B
66141	LAB	H3	3-5		F	258	P B
	QUIZ	H3	3-5	M		139	P B
66150	LAB	I1	8-10		TU	236	P B
	QUIZ	I1	8-10		TH	143A	M E B
66168	LAB	I2	8-10		TH	236	P B
	QUIZ	I2	8-10	TU		234	P B
66176	LAB	J1	8-10		TU	258	P B
	QUIZ	J1	8-10		TH	319	CER
66184	LAB	J2	8-10		TH	258	P B
	QUIZ	J2	8-10	TU		262	P B
66290	LAB	*6K1	10-12		TU	236	P B
	QUIZ	*6K1	10-12		TH	319	CER
66192	LAB	K2	10-12		TH	236	P B
	QUIZ	K2	10-12	TU		132	P B
66206	LAB	L1	10-12		TU	258	P B
	QUIZ	L1	10-12		TH	137	P B
66214	LAB	L2	10-12		TH	258	P B
	QUIZ	L2	10-12	TU		234	P B
66303	LAB	*6M1	1-3		TU	236	P B
	QUIZ	*6M1	1-3		TH	139	P B
66222	LAB	M2	1-3		TH	236	P B
	QUIZ	M2	1-3	TU		139	P B
66311	LAB	*6N1	1-3		TU	258	P B
	QUIZ	*6N1	1-3		TH	319	CER
66231	LAB	N2	1-3		TH	258	P B
	QUIZ	N2	1-3	TU		319	CER
66249	LAB	O1	3-5		TU	236	P B
	QUIZ	O1	3-5		TH	139	P B
66257	LAB	O2	3-5		TH	236	P B
	QUIZ	O2	3-5	TU		139	P B
66265	LAB	P1	3-5		TU	258	P B
	QUIZ	P1	3-5		TH	262	P B
66273	LAB	P2	3-5		TH	258	P B
	QUIZ	P2	3-5	TU		319	CER

STAPLETON
STAPLETON

PHYS 113 LABORATORY IN GENERAL PHYSICS (MECHANICS, HEAT, AND SOUND).
 PREREQUISITE: COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
 1 HOUR
 SEE LAB SECTIONS FOR PHYSCS. 101.
 66320 LAB ARR

PHYS 114 LABORATORY IN GENERAL PHYSICS (LIGHT, ELECTRICITY, AND MAGNETISM).
 PREREQUISITE: COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
 1 HOUR
 SEE LAB SECTIONS FOR PHYSCS. 102.
 66338 LAB ARR

PHYS 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 66346 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PHYS 303 MODERN EXPERIMENTAL PHYSICS, I.
 PREREQUISITE: PHYSCS. 342; REGISTRATION IN PHYSCS. 381 OR 386.
 5 HOURS OR 1 UNIT
 *FOR HONORS STUDENTS.

66354	LECT		3-5	M		320	P B	
66362	LAB	A	1-5		W F	336	P B	
66371	LAB	B	1-5		TU TH	336	P B	
66389	LAB	*&C	ARR					

DEBRUNNER AND
 MOCHEL

PHYS 304 MODERN EXPERIMENTAL PHYSICS, II.
 PREREQUISITE: PHYSCS. 303.
 5 HOURS OR 1 UNIT
 *FOR HONORS STUDENTS.

66397	LAB	A	1-5		W F	336	P B	
66401	LAB	B	1-5		TU TH	336	P B	
66419	LAB	*&C	ARR					

DEBRUNNER AND
 MOCHEL

PHYS 321 THEORETICAL MECHANICS.
 PREREQUISITE: GENERAL PHYSICS, CONCURRENT REGISTRATION IN MATH. 341, 345, OR 349.
 *NO GRADUATE CREDIT IS GIVEN TO GRADUATE MAJORS IN PHYSICS.
 *4 HOURS OR 1 UNIT

66427	LECT	A	10	M W F		144	P B	
66435	LECT	B	11	M W F		139	P B	

SARD
 GRANATO

PHYS 322 THEORETICAL MECHANICS.
 PREREQUISITE: PHYSCS. 321.
 4 HOURS OR 1 UNIT
 *GRADUATE STUDENTS SHOULD REGISTER IN LECT. B.

66443	LECT	A	10	M W F		151	P B	
66451	LECT	*B	1-220	M W		158	P B	

MORTARA
 EISENSTEIN

PHYS 341 ELECTRICITY AND MAGNETISM.
 PREREQUISITE: GENERAL PHYSICS, REGISTRATION IN MATH. 341, 343, OR 345, OR CONSENT OF INSTRUCTOR.
 *NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.
 *4 HOURS, OR 1/2 OR 1 UNIT

66460	LECT	A	9	M W F		158	P B	
66478	LECT	B	10	M W F		158	P B	
66486	LAB	A	8-11	TU		332	P B	
66494	LAB	B	1-4	TU		332	P B	
66508	LAB	C	2-5	W		332	P B	
66516	LAB	D	8-11	TH		332	P B	
66524	LAB	E	1-4	TH		332	P B	
66532	LAB	F	2-5	F		332	P B	

ROBINSON
 LYMAN

PHYS 342	ELECTRICITY AND MAGNETISM.										
	PREREQUISITE: PHYSCS. 341.										
	*NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.										
	*4 HOURS, OR 1/2 OR 1 UNIT										
66541	LECT	A	9	M	W	F	136	P	B	GINSBERG BRUSSEL	
66559	LECT	B	11	M	W	F	137	P	B		
66567	LAB	A	2-5	M			364	P	B		
66575	LAB	B	8-11	TU			364	P	B		
66583	LAB	C	1-4	TU			364	P	B		
66591	LAB	D	2-5	W			364	P	B		
66605	LAB	E	8-11		TH		364	P	B		
66613	LAB	F	1-4		TH		364	P	B		
66621	LAB	G	2-5		F		364	P	B		
PHYS 343	ELECTRONIC CIRCUITS.										
	PREREQUISITE: PHYSCS. 341, OR CONSENT OF INSTRUCTOR.										
	5 HOURS OR 1 UNIT										
66630	LECT		1	M	W		151	P	B		
66648	LAB	A	2-5	M	W		434	P	B		
66656	LAB	B	8-11	TU	TH		434	P	B		
66664	LAB	C	1-4	TU	TH		434	P	B		
66672	LAB	D	2-5		F		434	P	B		
		D	9-12		S		434	P	B		
PHYS 360	THERMODYNAMICS.										
	PREREQUISITE: GENERAL PHYSICS AND CALCULUS.										
	4 HOURS OR 1 UNIT										
66681	LECT		11	M	W	F	144	P	B	MAPOTHER	
PHYS 362	KINETIC THEORY AND STATISTICS.										
	PREREQUISITE: PHYSCS. 360 OR CONSENT OF INSTRUCTOR.										
	3 HOURS OR 1 UNIT										
66699	LECT		10-1120	TU	TH		136	P	B	SATTERTHWAITE	
PHYS 366	AERONOMY--PHYSICS OF THE UPPER ATMOSPHERE AND SPACE.										
	SAME AS E. E., AND ASTR. 366.										
	PREREQUISITE: PHYSCS. 342, 321 AND 381; OR CONSENT OF INSTRUCTOR.										
	4 HOURS OR 1 UNIT										
66702	LECT-OISC	S	230-4	TU	TH		158	P	B	BOHMER	
PHYS 371	LIGHT.										
	PREREQUISITE: GENERAL PHYSICS, MATH. 345, OR CONSENT OF INSTRUCTOR.										
	4 HOURS, OR 1/2 TO 1 UNIT										
66711	LECT		10-1120	TU	TH		158	P	B	KOESTER	
66729	LAB	A	2-5	M			432	P	B		
66737	LAB	B	1-4	TU			432	P	B		
66745	LAB	C	1-4		TH		432	P	B		
PHYS 382	NUCLEAR PHYSICS.										
	PREREQUISITE: PHYSCS. 381, OR 383, OR 386.										
	3 HOURS OR 1 UNIT										
66753	LECT		10	M	W	F	136	P	B	KRUGER	
PHYS 383	ATOMIC PHYSICS AND QUANTUM THEORY FOR ENGINEERS.										
	PREREQUISITE: GENERAL PHYSICS, GENERAL CHEMISTRY, MATH. 345, OR EQUIVALENT.										
	3 HOURS, OR 3/4 OR 1 UNIT										
66761	LECT	A	9	M	W	F	151	P	B	ABASHIAN MAURER	
66770	LECT	B	11	M	W	F	151	P	B		
PHYS 385	INTRODUCTION TO QUANTUM MECHANICS.										
	PREREQUISITE: MATH. 343, 345, OR CONSENT OF INSTRUCTOR.										
	*CREDIT NOT ALLOWED FOR PHYSCS. 385 IN ADDITION TO PHYSCS. 387.										
	*4 HOURS OR 1 UNIT										
66788	LECT		9	M	W	F	139	P	B	HOLLOWAY	
PHYS 386	ATOMIC PHYSICS AND QUANTUM MECHANICS, I.										
	PREREQUISITE: GENERAL PHYSICS; MATH. 343 OR 345 OR CONSENT OF INSTRUCTOR.										
	*CREDIT NOT ALLOWED FOR PHYSCS. 386 IN ADDITION TO PHYSCS. 381 OR CHEM. 396.										
	*4 HOURS OR 1 UNIT										
66796	LECT		3-420	M	W		136	P	B	ASCOLI	

PHYS 387 ATOMIC PHYSICS AND QUANTUM MECHANICS, II.
 PREREQUISITE: PHYS. 386.
 *CREDIT NOT ALLOWED FOR PHYS. 387 IN ADDITION TO PHYS. 385.
 *4 HOURS OR 1 UNIT
 66800 LECT 9 M W F 144 P 8 WATTENBERG AND KRUSE

COURSES FOR GRADUATES

PHYS 422 DYNAMICS AND NON-LINEAR MECHANICS.
 PREREQUISITE: PHYS. 322, MATH. 345.
 1 UNIT
 66818 LECT 830-950 TU TH 139 P 8 TREFIL

PHYS 424 RELATIVITY AND COSMOLOGY.
 SAME AS MATH. 460 AND ASTR. 424.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 66826 LECT 2 M W F 64 M E 8 MCVITTIE

PHYS 435 THEORY OF SEMICONDUCTORS AND SEMICONDUCTOR DEVICES.
 SAME AS E.E. 435.
 PREREQUISITE: PHYS. 381 OR 383.
 1 UNIT
 66834 LECT-DISC R 1-220 TU TH 136 P 8 HANDLER

PHYS 441 ELECTRODYNAMICS.
 PREREQUISITE: PHYS. 342 OR EQUIVALENT, REGISTRATION IN PHYS. 400
 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 66842 LECT 9 M W F 137 P 8 ADLER

PHYS 442 ELECTRODYNAMICS.
 PREREQUISITE: PHYS. 441.
 1 UNIT
 66851 LECT 10-1120 TU TH 144 P 8 SMITH

PHYS 455 REACTOR PHYSICS, I.
 SAME AS NUC. E. 455.
 PREREQUISITE: MATH. 343 AND 345, NUC. E. 347, OR CONSENT OF
 INSTRUCTOR.
 1 UNIT
 66869 LECT-DISC 10 M W F 203 N E L

PHYS 462 STATISTICAL MECHANICS AND KINETIC THEORY.
 PREREQUISITE: PHYS. 360 AND ELEMENTARY QUANTUM
 MECHANICS, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 66877 LECT 1-220 TU TH 137 P 8 JACKSON

PHYS 463 LOW TEMPERATURE THEORY AND QUANTUM LIQUIDS.
 PREREQUISITE: PHYS. 362 OR 462, AND 481, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 66885 LECT 830-10 TU TH 158 P 8 BARDEEN

PHYS 465 PLASMA PHYSICS.
 PREREQUISITE: PHYS. 362, AND 441 OR E. E. 423 OR CONSENT
 OF INSTRUCTOR.
 1 UNIT
 66893 LECT 3-420 M W 147 P 8 RAETHER

PHYS 470 INTRODUCTION TO NUCLEAR AND PARTICLE PHYSICS.
 PREREQUISITE: CONCURRENT REGISTRATION IN PHYS. 482.
 1 UNIT
 66907 LECT 3-420 M W 158 P 8 FRAUENFELDER

PHYS 471 NUCLEAR PHYSICS I.
 PREREQUISITE: PHYS. 470 AND 482, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 66915 LECT 10-1120 TU TH 139 P 8 AXEL

PHYCS 475	PARTICLE PHYSICS I.									
	PREREQUISITE: PHYCS. 470 AND 482, OR CONSENT OF INSTRUCTOR.									
	1 UNIT									
66923	LECT	10	M W F	139	P B	L. JONES				
PHYCS 480	QUANTUM MECHANICS, I.									
	PREREQUISITE: PHYCS. 322 AND 342, AND A COURSE IN ATOMIC PHYSICS.									
	1 UNIT									
66931	LECT	11	M W F	136	P B	WYLD				
PHYCS 481	QUANTUM MECHANICS, II.									
	PREREQUISITE: PHYCS. 480 OR CONSENT OF INSTRUCTOR.									
	1 UNIT									
66940	LECT	830-950	TU TH	144	P B	RAVENHALL				
PHYCS 482	QUANTUM MECHANICS, III.									
	PREREQUISITE: PHYCS. 481, 422 OR CONSENT OF INSTRUCTOR.									
	1 UNIT									
66958	LECT	11	M W F	158	P B	WRIGHT				
PHYCS 487	TOPICS IN ADVANCED QUANTUM THEORY.									
	(A) ADVANCED QUANTUM MECHANICS.									
	(B) QUANTUM FIELD THEORY.									
	PREREQUISITE: (A) PHYCS. 482 (B) PHYCS. 487A.									
	1 UNIT									
66966	LECT	8	1-230	M W	139	P B	CHANG			
PHYCS 489	SOLID STATE PHYSICS, I.									
	PREREQUISITE: PHYCS. 360, 362, 381, 480, OR CONSENT OF INSTRUCTOR.									
	1 UNIT									
66974	LECT	1-220	M W	144	P B	KLEIN				
PHYCS 490	SOLID STATE PHYSICS, II.									
	PREREQUISITE: PHYCS. 481, 489 OR CONSENT OF INSTRUCTOR.									
	1 UNIT									
66982	LECT	1-220	M W	136	P B	KOEHLER				
PHYCS 497	INDIVIDUAL STUDY.									
	1/2 OR 1 UNIT									
66991	CONF	A	ARR	STAFF						
67007	CONF	B	ARR							
PHYCS 498	SEMINAR.									
	1/2 OR 1 UNIT									
	*LECT. D: GROUP THEORY AND APPLICATION TO SOLIDS (1 UNIT).									
	*LECT. Q: ELEMENTARY PARTICLE SEMINAR (1/2 UNIT).									
	*LECT. R: PHYSICS OF SOLID INTERFACES, II (1 UNIT).									
67015	LECT	*D	1-230	TU TH	144	P B	DEEGAN TREFIL, HOLLOWAY DUKE			
67023	LECT	*Q	1-230	TU TH	158	P B				
67031	LECT	*R	3-430	M W	144	P B				
PHYCS 499	THESIS RESEARCH.									
	0 TO 4 UNITS									
67040	CONF	ARR								

PHYSIOLOGY

DEPARTMENT OFFICE

524 BUR HALL

MAJOR: THE MAJOR CONSISTS OF TWENTY HOURS IN ANIMAL PHYSIOLOGY OR CLOSELY RELATED SUBJECTS LISTED IN THE LAST TWO SENTENCES BELOW, NOT INCLUDING ELEMENTARY COURSES, AND INCLUDING PHYSYL. 301 AND PHYSYL. 302. THE STUDENT'S PROGRAM MUST INCLUDE A YEAR OF GENERAL BIOLOGY, INCLUDING BOTH ANIMAL AND PLANT CALCULUS, A SEMESTER OF GENETICS, MATHEMATICS THROUGH ELEMENTARY CALCULUS, TWO SEMESTERS OF PHYSICS, AND FOUR SEMESTERS OF CHEMISTRY INCLUDING GENERAL, INORGANIC, ORGANIC AND QUANTITATIVE CHEMISTRY. MICROBIOLOGY, EMBRYOLOGY, HISTOLOGY, PHYSICAL CHEMISTRY AND BIOCHEMISTRY ARE RECOMMENDED STRONGLY. WITH THE APPROVAL OF THE ADVISER, UPPER DIVISION COURSES IN GENETICS, BIOCHEMISTRY, BIOPHYSICS, AND PLANT PHYSIOLOGY MAY BE COUNTED TOWARD THE MAJOR.

MINOR: TWENTY HOURS MAY BE CHOSEN FROM PHYSICS, CHEMISTRY, MICROBIOLOGY OR ZOOLOGY, PROVIDED AT LEAST 8 SEMESTER HOURS ARE OFFERED IN THE LESSER, IF TWO MINORS ARE CHOSEN.

HONORS: STUDENTS WORKING TOWARD DEPARTMENTAL DISTINCTION MUST ENROLL IN PHYSIOLOGY 290 READING COURSE, WORK WITH AN ADVISER FOR AT LEAST TWO SEMESTERS, AND TAKE A GENERAL EXAMINATION IN THE LAST SEMESTER OF THE SENIOR YEAR.

COURSES FOR UNDERGRADUATES

PHYSYL 103 INTRODUCTION TO HUMAN PHYSIOLOGY.

PREREQUISITE: CHEM. 100 OR HIGH SCHOOL CHEMISTRY OR EQUIVALENT. FAMILIARITY WITH PRINCIPLES OF BIOLOGY RECOMMENDED.

4 HOURS

STUDENTS IN LAB-DISC SECTIONS OF THE A OR B SERIES MAY REGISTER IN ANY LECTURE.

67058	LECT	A	2	M	W	228	N	H	B
67066	LECT	B	10	TU	TH	228	N	H	B
67074	LAB-DISC	1A	8-10	M		310	H	H	
		1A	8-10		W	304	H	H	
67082	LAB-DISC	1B	8-10	M		312	H	H	
		1B	8-10		W	304A	H	H	
67091	LAB-DISC	2A	10-12	M		310	H	H	
		2A	10-12		W	304	H	H	
67104	LAB-DISC	2B	10-12	M		312	H	H	
		2B	10-12		W	304A	H	H	
67112	LAB-DISC	3A	1-3	M		310	H	H	
		3A	1-3		W	304	H	H	
67121	LAB-DISC	3B	1-3	M		312	H	H	
		3B	1-3		W	304A	H	H	
67139	LAB-DISC	4A	3-5	M		310	H	H	
		4A	3-5		W	304	H	H	
67147	LAB-DISC	4B	3-5	M		312	H	H	
		4B	3-5		W	304A	H	H	
67155	LAB-DISC	5A	8-10	TU		310	H	H	
		5A	8-10		TH	304	H	H	
67163	LAB-DISC	5B	8-10	TU		312	H	H	
		5B	8-10		TH	304A	H	H	
67171	LAB-DISC	6A	10-12	TU		310	H	H	
		6A	10-12		TH	304	H	H	
67180	LAB-DISC	6B	10-12	TU		312	H	H	
		6B	10-12		TH	304A	H	H	
67198	LAB-DISC	7A	1-3	TU		310	H	H	
		7A	1-3		TH	304	H	H	
67201	LAB-DISC	7B	1-3	TU		312	H	H	
		7B	1-3		TH	304A	H	H	
67210	LAB-DISC	8A	3-5	TU		310	H	H	
		8A	3-5		TH	304	H	H	
67228	LAB-DISC	8B	3-5	TU		312	H	H	
		8B	3-5		TH	304A	H	H	
67236	LAB-DISC	9A	8-10		W	310	H	H	
		9A	8-10	M		304	H	H	
67244	LAB-DISC	9B	8-10		W	312	H	H	
		9B	8-10	M		304A	H	H	

TAYLOR, WILLIS
AND BADGER

PHYSL 103		CONTINUED									
67252	LAB-DISC	10A	10-12		W	310	H	H			
		10A	10-12	M		304	H	H			
67261	LAB-DISC	10B	10-12		W	312	H	H			
		10B	10-12	M		304A	H	H			
67279	LAB-DISC	11A	1-3		W	310	H	H			
		11A	1-3	M		304	H	H			
67287	LAB-DISC	12A	3-5		W	310	H	H			
		12A	3-5	M		304	H	H			
67295	LAB-DISC	12B	3-5		W	312	H	H			
		12B	3-5	M		304A	H	H			
67309	LAB-DISC	13A	8-10		TH	310	H	H			
		13A	8-10	TU		304	H	H			
67317	LAB-DISC	13B	8-10		TH	312	H	H			
		13B	8-10	TU		304A	H	H			
67325	LAB-DISC	14A	10-12		TH	310	H	H			
		14A	10-12	TU		304	H	H			
67333	LAB-DISC	14B	10-12		TH	312	H	H			
		14B	10-12	TU		304A	H	H			
67341	LAB-DISC	15A	1-3		TH	310	H	H			
		15A	1-3	TU		304	H	H			
67350	LAB-DISC	15B	1-3		TH	312	H	H			
		15B	1-3	TU		304A	H	H			
67368	LAB-DISC	16A	3-5		TH	310	H	H			
		16A	3-5	TU		304	H	H			

PHYSL 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

67376	CONF	ARR	STAFF
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COURSES FOR ADVANCED UNDERGRADUATES

PHYSL 234 HUMAN ANATOMY AND PHYSIOLOGY.

PREREQUISITE: ZOOL. 104 AND PHYSL. 103, OR CONSENT OF INSTRUCTOR.
5 HOURS

67384	LECT	11	TU TH	124	BUR HALL	HEATH
67392	LAB	A1	8-10	M W F	413	BUR HALL
67406	LAB	B1	10-12	M W F	413	BUR HALL
67414	LAB	B2	10-12	M W F	422	BUR HALL
67422	LAB	C1	1-3	M W F	413	BUR HALL
67431	LAB	D1	3-5	M W F	413	BUR HALL
67449	LAB	E1	8-11	TU TH	413	BUR HALL
67457	LAB	G1	2-5	TU TH	413	BUR HALL

PHYSL 290 READING COURSE.

PREREQUISITE: A COURSE IN PHYSIOLOGY, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

NOTE: THIS COURSE IS NOT LIMITED TO HONORS STUDENTS.

67465	CONF	ARR	STAFF
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PHYSL 291 DISCUSSIONS IN GENERAL PHYSIOLOGY.

PREREQUISITE: PHYSL. 301 OR CONCURRENT REGISTRATION, AND CONSENT OF INSTRUCTOR.

2 HOURS

TOPIC: DELAYED EFFECTS OF RADIATION INJURY.

67473	DISC	730-930PM	TH	422	BUR HALL	DUCOFF
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PHYSL 292 DISCUSSIONS IN ANIMAL PHYSIOLOGY.

PREREQUISITE: PHYSL. 302 OR CONCURRENT REGISTRATION, AND CONSENT OF INSTRUCTOR.

2 HOURS

TOPIC: DRUG ACTION AND BODY RESPONSES.

67481	DISC	7-9PM	W	501	BUR HALL	STEGGERDA
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PHYSL 302 ANIMAL PHYSIOLOGY.

PREREQUISITE: BIOL. 111 OR BIOL. 251 OR EQUIVALENT, AND ONE YEAR EACH OF COLLEGE-LEVEL MATHEMATICS AND PHYSICS, AND CHEMISTRY THROUGH ORGANIC.

3 HOURS OR 3/4 UNIT

67490	LECT	10	M W F	124	BUR HALL	ANDERSON, BADGER AND OTHERS
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PHYSL 304 EXPERIMENTAL PHYSIOLOGY LABORATORY.
 PREREQUISITE: PHYSL. 302 OR CURRENT REGISTRATION.
 2 HOURS OR 1/4 UNIT

67503	LAB	1	1-5	M	523	BUR HALL	STAFF
67511	LAB	2	1-5	TU	523	BUR HALL	
67520	LAB	3	1-5	W	523	BUR HALL	
67538	LAB	4	1-5	TH	523	BUR HALL	
67546	LAB	5	1-5	F	523	BUR HALL	
67554	LAB	6	8-12	TU	523	BUR HALL	
67562	LAB	7	8-12	TH	523	BUR HALL	

PHYSL 306 QUANTITATIVE METHODS IN ERGONOMICS.
 SAME AS I. E. 306.
 PREREQUISITE: I. E./PHYSL. 305.
 4 HOURS OR 1 UNIT

67571	LAB		1-4	TU TH	422	BUR HALL	JOHNSON AND HERTIG
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PHYSL 312 ENDOCRINOLOGY.
 SAME AS ZOOL. 312.
 PREREQUISITE: PHYSL. 301 OR A COURSE IN BIOCHEMISTRY; CONSENT OF
 INSTRUCTOR.
 3 HOURS OR 3/4 UNIT

67589	LECT		9	M W F	202	H H	GORSKI
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PHYSL 313 EXPERIMENTAL ENDOCRINOLOGY.
 SAME AS ZOOL. 313.
 PREREQUISITE: CREDIT OR REGISTRATION IN PHYSL. OR ZOOL. 312;
 CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT

67597	LAB		8-11	TU TH	422	BUR HALL	GORSKI
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PHYSL 374 PROBLEMS IN HUMAN ECOLOGY.
 SAME AS ANTH., H. ED., GEOG., PSYCH., SOC., AND V.M.S. 374.
 PREREQUISITE: ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S. OR ZOOL.
 369.
 4 HOURS OR 1 UNIT
 *ONE DISC HOUR TO BE ARRANGED.

67601	LECT-DISC		*11	M W F	242	BEV HALL	LEVINE AND OTHERS
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COURSES FOR GRADUATES

PHYSL 402 COMPARATIVE AND ADAPTATIONAL PHYSIOLOGY.
 PREREQUISITE: ONE YEAR OF COLLEGE-LEVEL PHYSICS, CHEMISTRY THROUGH
 ORGANIC, UPPER DIVISION COURSE IN PHYSIOLOGY, KNOWLEDGE OF
 CALCULUS PRESUMED.
 1 UNIT

67619	LECT-DISC		I	TUWTHF	136	BUR HALL	PROSSER AND STAFF
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PHYSL 404 PHYSIOLOGICAL MEASUREMENTS.
 PREREQUISITE: CHEM. 355 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
 1 1/4 UNITS
 *ADDITIONAL HOURS TO BE ARRANGED.

67627	LECT-DISC		*1-3	M	422	BUR HALL	STAFF
67635	LAB	A	*8-12	TU TH	542	BUR HALL	
67643	LAB	B	*2-6	TU TH	542	BUR HALL	

PHYSL 412 ADVANCED ENDOCRINOLOGY.
 SAME AS AN. S., D. S., AND ZOOL. 412.
 PREREQUISITE: PHYSL. OR ZOOL. 312; CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE 2 UNITS.
 *1/2 UNIT
 TOPIC--REGULATORY MECHANISMS IN AMINAL CELLS.

67651	DISC		730-10PM	M	140	BUR HALL	GORSKI, OZIUM, FOSTER, JACKS NALBANDOV
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PHYSL 414 EXPERIMENTAL MAMMALIAN PHYSIOLOGY, II.
 PREREQUISITE: PHYSL. 401 AND 402 OR EQUIVALENT, CONSENT OF
 INSTRUCTOR.
 1 UNIT

67660	LAB		2-5	M	F	542	BUR HALL	STEGGEROA
	DISC		9-12		S	422	BUR HALL	

67678	LECT LAB	930-11 2-6	TU TH W	136 422	BUR HALL BUR HALL	ADES
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67686	LAB	2-6	M W	542	BUR HALL	OUCOFF
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67694 DISC 730-930PM TH 501 BUR HALL WILLIS

67708 DISC 3-5 W 136 BUR HALL JOHNSON AND
TEIGLER

67724	CONF	A	ARR	STAFF
67716	CONF	*8	ARR	

67741 CONF A 4 F 140 BUR HALL STAFF

DEPARTMENT OFFICE

218 M H

COURSES FOR ADVANCED UNDERGRADUATES

67759	LAB-DISC	10-12	TU TH	W121	T H	LINN
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PL PA 300 SPECIAL PROBLEMS.

PREREQUISITE: FOR UNDERGRADUATES MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.

*MAXIMUM CREDIT EIGHT HOURS OR TWO UNITS.

*1 TO 4 HOURS, OR 1/4 TO 1 UNIT

BEVER, BLACK, CARTER
EDWARDS, FORSBERG,
CHAMBERLAIN, GERDEMANN, GRAY
GOTTLIEB, HARTSTIRN,
HOOKER, JEOLINSKI, LINN,
MALEK, PAXTON, POWELL,
SCHOENEWEISS, SHAW, SHURTLEFF,
SINCLAIR, TAYLOR, THORNBERRY.

*SECTION 6B IS OPEN TO JAMES SCHOLARS AND OTHER STUDENTS HAVING MINIMUM GRADE POINT AVERAGE OF 4.0 AND MAY BE TAKEN IN CONJUNCTION WITH OTHER COURSES IN THIS DEPARTMENT SUBJECT TO APPROVAL OF INSTRUCTOR.

67767	CONF	A	ARR
67775	CONF	*6B	ARR

PL PA 304 FOREST TREE DISEASES AND WOOD DETERIORATION.

PREREQUISITE: JUNIOR STANDING IN FORESTRY OR OTHER PLANT SCIENCE.

3 HOURS OR 3/4 UNIT

67783	LAB-OISC	A	10-12	M	W	W121	T	H	GERDEMANN
67791	LAB-OISC	B	1-3	M	W	W121	T	H	GERDEMANN

PL PA 305 PRINCIPLES OF PLANT DISEASE CONTROL.

PREREQUISITE: PL. PA. 204; CHEM. 102, 132 OR 133; OR CONSENT OF INSTRUCTOR.

3 HOURS OR 3/4 UNIT

67805	LECT		9	M	W	F	442	M	H	POWELL
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COURSES FOR GRADUATES

PL PA 403 PHYSIOLOGY OF FUNGI.

SAME AS BOT. 403.

PREREQUISITE: PL. PA. 204 OR EQUIVALENT; ORGANIC OR BIOCHEMISTRY; MYCOLOGY; AND MICROBIOLOGY.

1 UNIT

67813	LAB		8-10	TU		W121	T	H	GOTTLIEB
	LECT		8	TH		W121	T	H	GOTTLIEB

PL PA 417 DISCUSSIONS IN PLANT PATHOLOGY.

1/4 UNIT

67821	OISC		4	M		W115	T	H	STAFF
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PL PA 499 THESIS RESEARCH.

PREREQUISITE: PL. PA. 302 OR EQUIVALENT.

0 TO 4 UNITS

BEVER, BLACK, CARTER
CHAMBERLAIN, GERDEMANN
GOTTLIEB, HOOKER,
JEOLINSKI, LINN, MALEK,
PAXTON, POWELL, SHAW,
SHURTLEFF, SINCLAIR,
TAYLOR, THORNBERRY.

67830	CONF		ARR
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POLISH

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR ADVANCED UNDERGRADUATES

POL 202 FIRST YEAR POLISH, II.
PREREQUISITE: POL. 201.
STUDENTS MUST REGISTER FOR 1 HOUR OF WORK WEEKLY IN LANGUAGE LAB.
4 HOURS
67848 LECT-DISC X 12 M W F 392 L H H ZALUCKY

POLITICAL SCIENCE

DEPARTMENT OFFICE 326 L H

MAJOR: TWENTY HOURS FROM COURSES OFFERED BY THE DEPARTMENT OF POLITICAL SCIENCE. A MAJOR MAY INCLUDE THREE SEMESTER HOURS FROM THE FOLLOWING COURSES: ECONOMICS 170, 171 (STATISTICS), ECONOMICS 214 (PUBLIC FINANCE), HISTORY 345, 346, 369, 370 (CONSTITUTIONAL HISTORY), MATHEMATICS 161 (STATISTICS), PSYCHOLOGY 135 (STATISTICS), AND SOCIOLOGY 185 (STATISTICS). A MAXIMUM OF EIGHT HOURS OF 100-LEVEL COURSES MAY BE OFFERED AS PART OF THE POLITICAL SCIENCE MAJOR.

MINOR: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANTHROPOLOGY, ECONOMICS, EDUCATION, FINANCE, GEOGRAPHY, HISTORY, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY, AND SPEECH. ONE OF THE CURRICULA IN LATIN-AMERICA STUDIES, RUSSIAN LANGUAGE AND AREA STUDIES, OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR.

STUDENTS ENTERING THE UNIVERSITY AFTER SEPTEMBER 1, 1963, MAY NOT OFFER MORE THAN EIGHT HOURS OF 100-LEVEL COURSES AS PART OF A MINOR, EXCEPT THAT MATH. 123 OR HIGHER-NUMBERED MATHEMATICS COURSES ARE NOT COUNTED IN THIS LIMITATION.

POLITICAL SCIENCE 150 AND 151 GIVE A GENERAL SURVEY OF NATIONAL, STATE AND LOCAL GOVERNMENT IN THE UNITED STATES. POLITICAL SCIENCE 191 AND 192 PRESENT A SURVEY OF THE BASIC CONCEPTS AND METHODS OF POLITICAL SCIENCE AND OF SIGNIFICANT CURRENT GOVERNMENTAL AND POLITICAL PROBLEMS AND POLICIES. UNDERGRADUATES BEGINNING THE STUDY OF POLITICAL SCIENCE ARE ADVISED TO TAKE, FIRST, EITHER POL. S. 150 OR 191. STUDENTS PLANNING TO DO ADVANCED WORK SHOULD, DURING THE SOPHOMORE YEAR, TAKE EITHER 150 OR 191 AND FOLLOW IT WITH SUCH OTHER COURSES AS COMPLETE ONE OF THE FOLLOWING COMBINATIONS: 150 AND 151, 150 AND 192, 150 AND 184, 184 AND 191, OR 191 AND 192.

COURSES FOR UNDERGRADUATES

POL S 150 AMERICAN GOVERNMENT: ORGANIZATION AND POWERS.

PREREQUISITE: SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.

3 HOURS

ALL DISCUSSION SECTIONS OF POL. S. 150 ARE LIMITED TO 30 STUDENTS.
THIS INCLUDES THE INDIVIDUAL LECTURE-DISCUSSION SECTIONS.

67856	DISC	1	1	TH	170	L H
	LECT	N	11	TU TH	L H	THEATRE
67864	DISC	2	1	TH	118	L H
	LECT	N	11	TU TH	L H	THEATRE
67872	DISC	3	1	TH	396	L H
	LECT	N	11	TU TH	L H	THEATRE
67881	DISC	4	1	TH	176	L H
	LECT	N	11	TU TH	L H	THEATRE
67899	DISC	5	2	TH	310	L H
	LECT	N	11	TU TH	L H	THEATRE
67902	DISC	6	2	TH	170	L H
	LECT	N	11	TU TH	L H	THEATRE
67911	DISC	7	2	TH	170	L H
	LECT	N	11	TU TH	L H	THEATRE
67929	DISC	8	2	TH	388	L H
	LECT	N	11	TU TH	L H	THEATRE
67937	DISC	9	3	TH	102	L H
	LECT	N	11	TU TH	L H	THEATRE
67945	DISC	10	3	TH	176	L H
	LECT	N	11	TU TH	L H	THEATRE
67953	DISC	11	3	TH	310	L H
	LECT	N	11	TU TH	L H	THEATRE
67961	DISC	12	3	TH	362	L H
	LECT	N	11	TU TH	L H	THEATRE
67970	DISC	13	11	F	162	L H
	LECT	N	11	TU TH	L H	THEATRE
67988	DISC	14	11	F	170	L H
	LECT	N	11	TU TH	L H	THEATRE
67996	DISC	15	11	F	102	L H
	LECT	N	11	TU TH	L H	THEATRE
68002	DISC	16	11	F	118	L H
	LECT	N	11	TU TH	L H	THEATRE
68011	DISC	17	1	F	388	L H
	LECT	N	11	TU TH	L H	THEATRE
68029	DISC	18	1	F	162	L H
	LECT	N	11	TU TH	L H	THEATRE
68037	DISC	19	1	F	145	L H
	LECT	N	11	TU TH	L H	THEATRE
68045	DISC	20	1	F	108	L H
	LECT	N	11	TU TH	L H	THEATRE
68053	DISC	21	1	F	302	L H
	LECT	N	11	TU TH	L H	THEATRE
86951	LECT	22	2	F	102	L H
	DISC	N	11	TU TH	L H	THEATRE
86969	LECT	23	2	F	118	L H
	DISC	N	11	TU TH	L H	THEATRE
86977	LECT	24	2	F	162	L H
	DISC	N	11	TU TH	L H	THEATRE
68061	LECT-DISC	A	8	M W F	43	L I R
68070	LECT-DISC	L	8	M W F	192	L H
68088	LECT-DISC	P	11	M W F	310	L H
68096	LECT-DISC	X	12	M W F	310	L H
68100	LECT-DISC	H	4	M W F	310	L H
68118	LECT-DISC	T	3-430	TU TH	138	ADMIN

MONYPENNY

POL S 184 INTERNATIONAL RELATIONS.

4 HOURS

68126	LECT-DISC	T	3-5	TU TH	192	L H
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GOTTHEIL

POL S 191 PRINCIPLES OF POLITICAL SCIENCE.

PREREQUISITE: SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.

*CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.

*4 HOURS

SECTION 6C IS FOR JAMES SCHOLARS AND OTHER STUDENTS HAVING A GRADE POINT AVERAGE OF 4.0 OR ABOVE.

86985	LECT-DISC	A	9-11	TU TH	102	L H
86993	LECT-DISC	B	9-11	TU TH	130	COM W
68142	LECT-DISC	6C	10	M W F	310	L H
		6C	12	TU	310	L H
68134	LECT-DISC	R	1-3	TU TH	192	L H

DOUGLAS
DOUGLAS
HIGA

POL S 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 68151 CONF 3-5 F 398 L H CARROLL

COURSES FOR ADVANCED UNDERGRADUATES

POL S 290 SENIOR SEMINAR.
 PREREQUISITE: SENIOR STANDING, AT LEAST SIX HOURS OF POLITICAL SCIENCE, AND EITHER DESIGNATION AS JAMES SCHOLAR OR A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0.
 2 HOURS
 68169 CONF A I-3 TU 398 L H DANGERFIELD
 68177 CONF B 3-5 TU 374 L H
 68185 CONF C 3-5 TH 374 L H MELSON

POL S 292 THESIS AND HONORS COURSE.
 PREREQUISITE: OPEN ONLY TO SENIORS WHOSE MAJOR IS POLITICAL SCIENCE AND WHO HAVE A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0
 2 TO 5 HOURS
 68193 CONF ARR STAFF

POL S 293 SELECTED TOPICS IN POLITICAL SCIENCE.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 *MAY BE REPEATED.
 *1 TO 4 HOURS
 68207 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

POL S 306 MUNICIPAL PROBLEMS.
 PREREQUISITE: SENIOR STANDING OR JUNIOR STANDING WITH POL. S. 305, OR ECON. 102 AND 103, OR SIX HOURS OR POLITICAL SCIENCE.
 3 HOURS, OR 1/2 OR 1 UNIT
 68215 LECT-DISC 2 M W F 319 G H GOLO

POL S 310 RURAL LOCAL GOVERNMENT.
 3 HOURS, OR 1/2 OR 1 UNIT
 68223 LECT-DISC 3 M W F 310 L H SNIDER

POL S 312 STATE GOVERNMENT.
 PREREQUISITE: POL. S. 150 OR 191.
 *CREDIT IS NOT GIVEN FOR BOTH POL. S. 110 AND 312.
 *3 HOURS, OR 1/2 OR 1 UNIT
 68231 LECT-DISC 1 M W F 310 L H SNIDER

POL S 315 LEGISLATURES AND LEGISLATION.
 PREREQUISITE: SIX HOURS OF POLITICAL SCIENCE.
 3 HOURS, OR 1/2 OR 1 UNIT
 68240 LECT-DISC 9 M W F 43 L I R JOHNSON

POL S 318 TAX POLITICS AND ADMINISTRATION.
 PREREQUISITE: POL. S. 150 OR 191.
 3 HOURS, OR 1/2 OR 1 UNIT
 68258 LECT-DISC 9 M W F 310 L H FISHER

POL S 331 BRITISH GOVERNMENT.
 3 HOURS, OR 1/2 OR 1 UNIT
 68266 LECT-DISC 11 M W F 138 ADMIN LEWIS

POL S 343 POLITICAL SYSTEMS AND STRUCTURES OF LATIN AMERICAN COUNTRIES.
 PREREQUISITE: POL. S. 342.
 3 HOURS, OR 1/2 OR 1 UNIT
 68274 LECT-DISC 9 TU TH 310 L H BYARS
 10 TU 310 L H BYARS

POL S 347	GOVERNMENTS AND POLITICS OF SOUTHEAST ASIA. PREREQUISITE: SIX HOURS OF POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	68282	LECT-DISC	2	M W F	310	L H	DOUGLAS
POL S 352	COMPARATIVE CONSTITUTIONAL LAW. PREREQUISITE: POL. S. 150 OR 191. 3 HOURS, OR 1/2 OR 1 UNIT	68291	LECT-DISC	1	M W F	138	ADMIN	CARMEN
POL S 354	THE JUDICIAL PROCESS. PREREQUISITE: POL. S. 150 OR 191. 3 HOURS, OR 1/2 OR 1 UNIT	68304	LECT-DISC	3	M W F	138	ADMIN	CARMEN
POL S 355	THE CONSTITUTION AND CIVIL LIBERTIES. PREREQUISITE: POL. S. 150 OR 191. 3 HOURS, OR 1/2 OR 1 UNIT	68312	LECT-DISC	9-1030	TU TH	192	L H	NAGEL
POL S 362	ADMINISTRATIVE ORGANIZATION AND POLICY DEVELOPMENT. PREREQUISITE: SIX HOURS OF POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	68321	LECT-DISC	9-1030	TU TH	138	ADMIN	THOMPSON
POL S 366	TOOLS OF PUBLIC MANAGEMENT. PREREQUISITE: POL. S. 361 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1 UNIT	68339	LECT-DISC	8	M W F	310	L H	PAGE
POL S 382	CONTEMPORARY AMERICAN FOREIGN POLICIES. PREREQUISITE: POL. S. 381 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	68347	LECT-DISC	10 11	TH TU TH	310 310	L H L H	GLAO
POL S 383	SOVIET FOREIGN POLICY. 3 HOURS, OR 1/2 OR 1 UNIT	68355	LECT-DISC	1030-12	TU TH	192	L H	MILLER
POL S 384	INTERNATIONAL RELATIONS. PREREQUISITE: JUNIOR STANDING. 3 HOURS, OR 1/2 OR 1 UNIT	68363	LECT-DISC	1 2	TU TH TU	310 310	L H L H	GLAO
POL S 387	NATIONAL SECURITY POLICY. PREREQUISITE: POL. S. 184 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	68371	LECT-DISC	9	M W F	138	ADMIN	LEWIS
POL S 388	THE MILITARY AND POLITICS. PREREQUISITE: POL. S. 184 OR 192, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	68380	LECT-DISC	10	M W F	138	ADMIN	COHEN
POL S 394	MEDIEVAL POLITICAL THEORY. 3 HOURS, OR 1/2 OR 1 UNIT	87000	LECT-DISC	1030-12	TU TH	340	L H	CARROLL
POL S 395	MODERN POLITICAL THEORY. 3 HOURS, OR 1/2 OR 1 UNIT	68398	LECT-DISC	2	M W F	106	L H	FIELDS

POL S 396 CONTEMPORARY POLITICAL THEORY.
3 HOURS, OR 1/2 OR 1 UNIT
68401 LECT-DISC 1-230 TU TH 138 ADMIN MEEHAN

POL S 397 AMERICAN POLITICAL THEORY.
3 HOURS, OR 1/2 OR 1 UNIT
68410 LECT-DISC 3 M W F 192 L H

COURSES FOR GRADUATES

POL S 402 HISTORY OF POLITICAL THEORIES.
1 UNIT
68428 LECT-DISC 730-930PM W 398 L H FIELDS

POL S 406 MUNICIPAL ADMINISTRATION.
1 UNIT
68436 LECT-DISC 10-12 F 398 L H GOLD

POL S 435 PROBLEMS IN THE GOVERNMENT OF SOVIET RUSSIA.
1 UNIT
68444 LECT-DISC 1-3 F 398 L H MILLER

POL S 440 COMPARATIVE POLITICS AND THE POLITICAL PROCESS.
*STUDENTS MAY ACCUMULATE THREE UNITS.
1 UNIT
68452 LECT-DISC 10-12 M 398 L H LONG

POL S 442 PROBLEMS OF LATIN AMERICAN POLITICS AND GOVERNMENT.
PREREQUISITE: POL. S. 430 OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 2 UNITS.
1 UNIT
68461 LECT-DISC 10-12 W 398 L H SCOTT

POL S 448 PROBLEMS IN JAPANESE POLITICS AND GOVERNMENT.
PREREQUISITE: CREDIT OR REGISTRATION IN POL. S. 430, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
1 UNIT
68479 LECT-DISC 3-5 TU 398 L H HIGA

POL S 449 PROBLEMS OF SOUTH ASIAN POLITICS AND GOVERNMENT.
PREREQUISITE: CREDIT OR REGISTRATION IN POL. S. 430, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
1 UNIT
68487 LECT-DISC 3-5 W 398 L H COHEN

POL S 450 CONTEMPORARY GOVERNMENTAL PROBLEMS.
*STUDENTS MAY ACCUMULATE THREE UNITS.
1 UNIT
68495 LECT-DISC 10-12 TU 398 L H LONG

POL S 453 LAW, POLICY, AND SOCIAL SCIENCE.
1 UNIT
68509 LECT-DISC 730-930PM TU 398 L H NAGEL

POL S 481 FOREIGN RELATIONS OF THE UNITED STATES.
1 UNIT
68517 LECT-DISC 3-5 TH 145 L H DANGERFIELD

POL S 491 PROSEMINAR IN POLITICAL BEHAVIOR, II.
PREREQUISITE: POL. S. 490.
1 UNIT
68525 LECT-DISC 730-930PM M 398 L H COOMBS

POL S 492 PROBLEMS OF EXPLANATION IN SOCIAL SCIENCE.
1 UNIT
68533 LECT-DISC 230-430 TH 398 L H MEEHAN

POL S 493 RESEARCH IN SELECTED TOPICS.
1/2 TO 3 UNITS
68541 CONF ARR STAFF

POL S 495 SCOPE AND METHODS OF POLITICAL SCIENCE.
1 UNIT
68550 LECT-DISC 1-230 M TH 398 L H HOBBS

POL S 497 RESEARCH DESIGN AND TECHNIQUES.
PREREQUISITE: POL. S. 496.
1 UNIT
68568 LECT-DISC 10-12 F 102 L H JOHNSON

POL S 498 THE LOGIC OF POLITICAL INQUIRY: SELECTED TOPICS.
PREREQUISITE: POL. S. 495.
*MAY BE REPEATED FOR CREDIT NOT TO EXCEED 2 UNITS.
*1 UNIT
68576 LECT-DISC 3-5 M 398 L H HOBBS

POL S 499 THESIS RESEARCH.
0 TO 4 UNITS
68584 CONF 4 F ARR STAFF

PORTUGUESE

DEPARTMENT OFFICE

224 L H

MAJOR: TWENTY HOURS IN PORTUGUESE, EXCLUDING PORTUGUESE 101 AND 102, AND INCLUDING PORTUGUESE 201 AND AT LEAST SIX HOURS OF PORTUGUESE FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. EITHER LINGUISTICS 300, INTRODUCTION TO LINGUISTICS, OR LINGUISTICS 302, COMPARATIVE LINGUISTICS, MAY BE COUNTED TOWARD THE MAJOR IN PORTUGUESE.

MINOR: TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANTHROPOLOGY, ENGLISH (EXCLUDING RHETORIC 101 AND 102), FRENCH, GEOGRAPHY, GERMAN, HISTORY, ITALIAN, LATIN, LATIN-AMERICAN STUDIES, LIBRARY SCIENCE, LINGUISTICS, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, POLITICAL SCIENCE, RUSSIAN, SPANISH.

COURSES FOR UNDERGRADUATES

PORT 102 ELEMENTARY PORTUGUESE, II.
PREREQUISITE: PORT. 101.
4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS F3-F21.

68592	LECT-DISC	B	9	TUWTHF	4	G H
68606	LECT-DISC	E	1	MTUWTH	108	L H
68614	LAB	F 3	8	F	210	L H
68622	LAB	F 5	9	F	210	L H
68631	LAB	F 7	10	F	210	L H
68649	LAB	F 9	11	F	210	L H
68657	LAB	F11	12	F	210	L H
68665	LAB	F13	1	F	210	L H
68673	LAB	F15	2	F	210	L H
68681	LAB	F17	3	F	210	L H
68690	LAB	F19	4	F	210	L H
68703	LAB	F21	5	F	210	L H

PORT 104 INTERMEDIATE PORTUGUESE, II.
PREREQUISITE: PORT. 103 OR THREE YEARS OF HIGH SCHOOL PORTUGUESE.
4 HOURS

68711	LECT-DISC	C	10	TUWTHF	136	ARMORY
68720	LECT-DISC	E	1	MTUWTH	230	L H

PORT 111 ELEMENTARY PORTUGUESE.
 FOR STUDENTS WHO HAVE NO CREDIT IN PORTUGUESE.
 8 HOURS
 ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR THE
 LANGUAGE LABORATORY SECTIONS M3 AND W5.

68738	LECT-DISC	A	8	TUWTHF	137	ARMORY
		A	9	MTU THF	137	ARMORY
68746	LAB	M3	8	M	202	L H
68754	LAB	W5	9	W	202	L H

PORT 112 INTERMEDIATE PORTUGUESE.
 PREREQUISITE: PORT. 102 OR 111, OR TWO YEARS OF HIGH SCHOOL
 PORTUGUESE.
 8 HOURS

68762	LECT-DISC	A	8	TUWTHF	118	L H
		A	9	MTU THF	118	L H

PORT 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS

68771	CONF		ARR			STAFF
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COURSES FOR ADVANCED UNDERGRADUATES

PORT 201 INTRODUCTION TO PORTUGUESE AND BRAZILIAN LITERATURE.
 PREREQUISITE: PORT. 104 OR 112, OR CONSENT OF INSTRUCTOR.
 3 HOURS

68789	LECT-DISC		10	M W F	431	ARMORY	AIEX
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PORT 302 INTRODUCTION TO PORTUGUESE LITERATURE.
 PREREQUISITE: PORT. 201 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT

68797	LECT-DISC		9	M W F	151	ARMORY	FORSTER
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PORT 304 A CULTURA BRASILEIRA DESDE 1822.
 PREREQUISITE: PORT. 201 OR 211, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT

68801	LECT-DISC		11	M W F	431	ARMORY	AIEX
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COURSES FOR GRADUATES

PORT 406 STRUCTURE OF BRAZILIAN PORTUGUESE--MORPHOLOGY AND SYNTAX.
 1 UNIT

68819	LECT-DISC		9	W F	176	L H	ALLEN
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PORT 407 STUDIES IN BRAZILIAN LITERATURE.
 PREREQUISITE: PORT. 301 OR CONSENT OF INSTRUCTOR.
 1 UNIT

68827	LECT-DISC		10	W F	118	L H	ALLEN
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PORT 491 SPECIAL TOPICS IN PORTUGUESE.
 1/2 OR 1 UNIT

68835	CONF		ARR				STAFF
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PORT 499 THESIS RESEARCH.
 0 TO 4 UNITS

68843	CONF		ARR				ALLEN, FORSTER KAHANE
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PSYCHOLOGY

DEPARTMENT OFFICE

309 G H

MAJOR: THREE TYPES OF MAJOR PROGRAMS ARE OFFERED: THE GENERAL MAJOR, SUITABLE FOR STUDENTS INTERESTED PRIMARILY IN GENERAL LIBERAL EDUCATION; THE APPLIED PSYCHOLOGY MAJOR, DESIGNED FOR STUDENTS INTERESTED IN VOCATIONAL PREPARATION INVOLVING A MINIMUM OF GRADUATE TRAINING; AND THE GRADUATE PREPARATORY MAJOR, DESIGNED MAINLY TO PREPARE STUDENTS FOR GRADUATE TRAINING LEADING TO THE DOCTORATE IN PSYCHOLOGY.

THE GENERAL MAJOR MUST COMPLETE 20 HOURS IN PSYCHOLOGY BEYOND PSYCHOLOGY 100 OR 103. PSYCHOLOGY 135 IS REQUIRED IN THIS PROGRAM AND SHOULD BE TAKEN AS SOON AS POSSIBLE AFTER THE INTRODUCTORY COURSE.

THE APPLIED PSYCHOLOGY MAJOR CAN SPECIALIZE IN ANY ONE OF FOUR DIFFERENT OPTIONS, NAMELY, ENGINEERING PSYCHOLOGY, PERSONNEL PSYCHOLOGY, MEASUREMENT PSYCHOLOGY, AND SCHOOL PSYCHOLOGY. THE REQUIREMENTS FOR ENGINEERING PSYCHOLOGY ARE AS FOLLOWS: PSYCHOLOGY 235, 245, 356, 358; 12 HOURS SELECTED FROM PSYCHOLOGY 330, 331, 332, 390; COMPUTER SCIENCE 103; PHYSIOLOGY 305. THE REQUIREMENTS FOR PERSONNEL PSYCHOLOGY ARE AS FOLLOWS: PSYCHOLOGY 235, 245, 332, 355, 390; 6 HOURS SELECTED FROM PSYCHOLOGY 201, 250, 256, 356, 358; 6 HOURS SELECTED FROM ACCOUNTANCY 204; BUSINESS LAW 261; ECONOMICS 102, 103, 300; INDUSTRIAL ENGINEERING 287; SOCIOLOGY 300; COMPUTER SCIENCE 103. THE REQUIREMENTS FOR PSYCHOLOGICAL MEASUREMENT ARE AS FOLLOWS: PSYCHOLOGY 235, 245, 390; 8 HOURS SELECTED FROM PSYCHOLOGY 330, 331, 332; MATHEMATICS 315; 6 HOURS SELECTED FROM PSYCHOLOGY 201, 250, 352, 355; EDUCATIONAL PSYCHOLOGY 211, 325; COMPUTER SCIENCE 103. THE REQUIREMENTS FOR SCHOOL PSYCHOLOGY ARE AS FOLLOWS: FOUR OF THE FOLLOWING: PSYCHOLOGY 201, 216, 235, 250, 338, 390; EITHER PSYCHOLOGY 331 OR 332; SPECIAL EDUCATION 117 AND AS MANY AS POSSIBLE OF THE FOLLOWING: SPECIAL EDUCATION 316, 317, 318, 321, 322.

THE GRADUATE PREPARATORY MAJOR MUST COMPLETE 20 HOURS IN PSYCHOLOGY BEYOND PSYCHOLOGY 100 OR 103. PSYCHOLOGY 235 AND 8 HOURS OF WORK IN LABORATORY COURSES AT THE 300 LEVEL ARE REQUIRED IN THIS PROGRAM. GRADUATE PREPARATORY MAJORS SHOULD ALSO REGISTER IN SPECIAL HONORS SECTIONS WHEN AVAILABLE. THESE MAJORS ARE ALSO URGED TO TAKE MATHEMATICS THROUGH CALCULUS, AT LEAST A FULL-YEAR LABORATORY COURSE IN ANOTHER SCIENCE, AND AT LEAST TWO YEARS OF FRENCH, GERMAN OR RUSSIAN, WITH TWO YEARS IN EACH OF TWO DESIRABLE.

MINOR: FOR THE GENERAL MAJOR, 20 HOURS IN ANY SUBJECT MATTER ACCEPTED FOR CREDIT BY THE COLLEGE OF LIBERAL ARTS AND SCIENCES; IF TWO ARE CHOSEN THERE MUST BE A MINIMUM OF 8 HOURS IN EACH. IN ADDITION, IF FOREIGN LANGUAGE CREDIT IS OFFERED, IT MUST BE BEYOND THAT REQUIRED BY THE COLLEGE FOR GRADUATION.

FOR THE APPLIED PSYCHOLOGY MAJOR, THE MINOR MUST BE SELECTED IN ACCORDANCE WITH THE MAJOR OPTION. FOR ENGINEERING PSYCHOLOGY, A MINOR OR MINORS OF 20 HOURS SELECTED FROM MATHEMATICS, ENGINEERING, PHYSICS, AND PHYSIOLOGY. FOR PERSONNEL PSYCHOLOGY, A MINOR OR MINORS OF 20 HOURS SELECTED FROM MATHEMATICS, ANTHROPOLOGY, ECONOMICS, POLITICAL SCIENCE, AND SOCIOLOGY. FOR PSYCHOLOGICAL MEASUREMENT, A MINOR OF 20 HOURS IN MATHEMATICS. FOR SCHOOL PSYCHOLOGY, A MINOR OF 20 HOURS IN EDUCATION OR A SPLIT MINOR IN SPECIAL EDUCATION AND SOCIOLOGY, ANTHROPOLOGY, PHILOSOPHY OR PHYSIOLOGY.

FOR THE GRADUATE PREPARATORY MAJOR, 20 HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, PROVIDING THAT IF TWO ARE CHOSEN, THERE MUST BE A MINIMUM OF 8 HOURS IN EACH: ANTHROPOLOGY, ANY BIOLOGICAL SCIENCE, CHEMISTRY, ECONOMICS, EDUCATION, ENGINEERING, LINGUISTICS, MATHEMATICS, PHYSICS, POLITICAL SCIENCE, AND SOCIOLOGY.

DEPARTMENTAL DISTINCTION: THE MINIMUM REQUIREMENTS FOR GRADUATION WITH DEPARTMENTAL DISTINCTION IN PSYCHOLOGY ARE AS FOLLOWS: A 4.33 GRADE POINT AVERAGE IN PSYCHOLOGY COURSES, SATISFACTORY COMPLETION OF THE COURSES REQUIRED IN THE GRADUATE PREPARATORY MAJOR PROGRAM, AND FOUR HOURS OF CREDIT IN PSYCHOLOGY 291-292, THE HONORS PROGRAM SEMINAR, INCLUDING AN ACCEPTABLE BACHELOR'S THESIS.

COURSES FOR UNDERGRADUATES

PSYCH 100 INTRODUCTION TO PSYCHOLOGY.

NOT OPEN TO STUDENTS ELECTING PSYCH. 103 OR 105.

REQUIRES FIVE HOURS OF PARTICIPATION IN LABORATORY EXPERIMENTS
4 HOURSPSYCH 100 STUDENTS MUST SELECT A DISCUSSION SECTION NOT IN CONFLICT
WITH THE LECTURE SECTION IN WHICH THEY ARE REGISTERED.

LECTURES A THROUGH F ARE ON CLOSED CIRCUIT TELEVISION.

*SECTIONS G, H AND I ARE OFFERED IN THE SPECIAL INTEREST OF AND
ARE LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS
WHOSE GRADE-POINT AVERAGE IS 4.25 OR BETTER; FOURTH HOUR TO BE
ARRANGED.

*LECTURE F IS A SPECIAL SECTION WITH FOUR T. V. LECTURES

WEEKLY DURING FIRST NINE WEEKS OF THE SEMESTER. INSTRUCTION DURING
REMAINDER OF SEMESTER WILL BE MORE INDIVIDUALIZED. STUDENT ENROLLS
IN ONE DISC-LECT COMBINATION.

68851	LECT	A	8	M	W	F	100	G	H	COSTIN & STAFF
68860	LECT	B	10	M	W	F	100	G	H	COSTIN & STAFF
68878	LECT	C	1	M	W	F	103	M	H	COSTIN & STAFF
68886	LECT	D	2	M	W	F	103	M	H	COSTIN & STAFF
68894	LECT	E	3	M	W	F	66	L	B	COSTIN & STAFF
87018	DISC	*F1	2			TU	13	PSYCH	BLDG	
	LECT	*F	2	M		WTHF	66	L	B	COSTIN & STAFF
69431	DISC	*F2	3			TU	13	PSYCH	BLDG	
	LECT	*F	12	M		WTHF	66	L	B	
69440	DISC	*F3	2			W	13	PSYCH	BLDG	
	LECT	*F	12	M		WTHF	66	L	B	
69458	DISC	*F4	3			W	13	PSYCH	BLDG	
	LECT	*F	12	M		WTHF	66	L	B	
69466	DISC	*F5	4			W	21	PSYCH	BLDG	
	LECT	*F	12	M		WTHF	66	L	B	
68908	DISC		8	M			9	PSYCH	BLDG	
68916	DISC		2	M			9	PSYCH	BLDG	
68924	DISC		3	10	M		9	PSYCH	BLDG	
68932	DISC		4	11	M		9	PSYCH	BLDG	
68941	DISC		5	12	M		9	PSYCH	BLDG	
68959	DISC		6	1	M		9	PSYCH	BLDG	
68967	DISC		7	2	M		9	PSYCH	BLDG	
68975	DISC		8	3	M		9	PSYCH	BLDG	
68983	DISC		9	4	M		9	PSYCH	BLDG	
68991	DISC		10	8		TU	9	PSYCH	BLDG	
69008	DISC		11	9		TU	9	PSYCH	BLDG	
69016	DISC		12	10		TU	9	PSYCH	BLDG	
69024	DISC		13	11		TU	9	PSYCH	BLDG	
69032	DISC		14	12		TU	9	PSYCH	BLDG	
69041	DISC		15	1		TU	9	PSYCH	BLDG	
69059	DISC		16	2		TU	9	PSYCH	BLDG	
69067	DISC		17	3		TU	9	PSYCH	BLDG	
69075	DISC		18	4		TU	9	PSYCH	BLDG	
69083	DISC		19	8		W	9	PSYCH	BLDG	
69091	DISC		20	9		W	9	PSYCH	BLDG	
69105	DISC		21	10		W	9	PSYCH	BLDG	
69113	DISC		22	11		W	9	PSYCH	BLDG	
69121	DISC		23	12		W	9	PSYCH	BLDG	
69130	DISC		24	1		W	9	PSYCH	BLDG	
69148	DISC		25	2		W	9	PSYCH	BLDG	
69156	DISC		26	3		W	9	PSYCH	BLDG	
69164	DISC		27	4		W	9	PSYCH	BLDG	
69172	DISC		28	8		TH	9	PSYCH	BLDG	
69181	DISC		29	9		TH	9	PSYCH	BLDG	
69199	DISC		30	10		TH	9	PSYCH	BLDG	
69202	DISC		31	11		TH	9	PSYCH	BLDG	
69211	DISC		32	12		TH	9	PSYCH	BLDG	
69229	DISC		33	1		TH	9	PSYCH	BLDG	
69237	DISC		34	2		TH	9	PSYCH	BLDG	
69245	DISC		35	3		TH	9	PSYCH	BLDG	
69253	DISC		36	4		TH	9	PSYCH	BLDG	
69261	DISC		37	8		F	9	PSYCH	BLDG	
69270	DISC		38	9		F	9	PSYCH	BLDG	
69288	DISC		39	10		F	9	PSYCH	BLDG	
69296	DISC		40	11		F	9	PSYCH	BLDG	
69300	DISC		41	12		F	9	PSYCH	BLDG	
69318	DISC		42	1		F	9	PSYCH	BLDG	
69326	DISC		43	2		F	9	PSYCH	BLDG	
69334	DISC		44	3		F	9	PSYCH	BLDG	
69342	DISC		45	4		F	9	PSYCH	BLDG	

PSYCH 100 CONTINUED

69351	DISC	46	8	M		13	PSYCH BLDG
69369	DISC	47	9	M		13	PSYCH BLDG
69377	DISC	48	10	M		13	PSYCH BLDG
69385	DISC	49	11	M		13	PSYCH BLDG
69393	DISC	50	1	M		13	PSYCH BLDG
69407	LECT	*6G	9	M	W F	29	PSYCH BLDG
69415	LECT	*6H	11	M	W F	29	PSYCH BLDG
69423	LECT	*6I	1	M	W F	29	PSYCH BLDG

BROWN
D. MC GRATH
R. PETERSON

PSYCH 103 HUMAN BEHAVIOR.

NOT OPEN TO STUDENTS ELECTING PSYCH. 100 OR 105.

4 HOURS

STUDENTS MUST REGISTER FOR LECTURE AND ONE LAB.

				TU TH	100	G H	
69474	LECT		8				MEAD
69482	LAB	1	8-10	M W	35	PSYCH BLDG	
69491	LAB	2	8-10	M W	36	PSYCH BLDG	
69504	LAB	3	10-12	M W	35	PSYCH BLDG	
69512	LAB	4	10-12	M W	36	PSYCH BLDG	
69521	LAB	5	1-3	M W	35	PSYCH BLDG	
69539	LAB	6	1-3	M W	36	PSYCH BLDG	
69547	LAB	7	3-5	M W	35	PSYCH BLDG	
69555	LAB	8	3-5	M W	36	PSYCH BLDG	
69563	LAB	9	10-12	TU TH	35	PSYCH BLDG	
69571	LAB	10	10-12	TU TH	36	PSYCH BLDG	
69580	LAB	11	1-3	TU TH	35	PSYCH BLDG	
69598	LAB	12	1-3	TU TH	36	PSYCH BLDG	
69601	LAB	13	3-5	TU TH	35	PSYCH BLDG	
69610	LAB	14	3-5	TU TH	36	PSYCH BLDG	

PSYCH 105 ELEMENTS OF PSYCHOLOGY.

NOT OPEN TO STUDENTS ELECTING PSYCH. 100 OR 103.

FOR PLACEMENT PURPOSES ENROLLMENT IS LIMITED TO STUDENTS WHOSE ACT COMPOSITE SCORE IS 21 AND BELOW.

4 HOURS

				M W F	100	G H	
69628	LECT		1				MARX
69636	DISC	1	9	TU	13	PSYCH BLDG	
69644	DISC	2	10	TU	13	PSYCH BLDG	
69652	DISC	3	11	TU	13	PSYCH BLDG	
69661	DISC	4	1	TU	13	PSYCH BLDG	
69679	DISC	5	2	TU	27	PSYCH BLDG	
69687	DISC	6	3	TU	27	PSYCH BLDG	
69695	DISC	7	9	TH	13	PSYCH BLDG	
69709	DISC	8	10	TH	13	PSYCH BLDG	
69717	DISC	9	11	TH	13	PSYCH BLDG	
69725	DISC	10	1	TH	13	PSYCH BLDG	

PSYCH 135 STATISTICAL THINKING IN PSYCHOLOGY.

PREREQUISITE: PSYCH. 100, 103, OR 105.

*CREDIT IS NOT GIVEN FOR PSYCH. 135 IN ADDITION TO ECON. 171

MATH. 161, OR PSYCH. 235.

*3 HOURS

69733	LECT	B	9-1020	TU TH	23	PSYCH BLDG	LOVE
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PSYCH 198 FRESHMAN SEMINAR IN PSYCHOLOGY.

PREREQUISITE: OPEN ONLY TO JAMES SCHOLARS.

3 HOURS

69741	LECT-DISC		3-5	W	27	PSYCH BLDG	MAIER
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PSYCH 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

69750	CONF	A	ARR
69768	CONF	B	ARR
69776	CONF	C	ARR

COURSES FOR ADVANCED UNDERGRADUATES

PSYCH 201 INTRODUCTION TO SOCIAL PSYCHOLOGY.

PREREQUISITE: PSYCH. 100, 103, OR 105.

*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 201 AND SOC. 201.

*4 HOURS

SECTIONS &E, &F AND &G ARE OFFERED IN THE SPECIAL INTEREST OF, AND ARE LIMITED TO, JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE POINT AVERAGE IS 4.25 OR BETTER. FOURTH HOUR TO BE ARRANGED.

STUDENT ENROLLS IN ONE COMBINATION DISCUSSION-LECTURE.

69784	DISC	A 1	9	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69792	DISC	A 2	10	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69806	DISC	A 3	11	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69814	DISC	A 4	1	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69822	DISC	A 5	2	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69831	DISC	A 6	3	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69849	DISC	A 7	4	TU	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69857	DISC	A 8	9	TH	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69865	DISC	A 9	11	TH	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69873	DISC	A10	1	TH	29	PSYCH 8LDG
	LECT	A	8	M W F	112	G H
69881	DISC	B 1	8	TU	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69890	DISC	B 2	9	TU	27	PSYCH LAB
	LECT	B	1	M W F	112	G H
69903	DISC	B 3	12	TU	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69911	DISC	B 4	4	TU	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69920	DISC	B 5	8	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69938	DISC	B 6	9	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69946	DISC	B 7	12	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69954	DISC	B 8	2	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69962	DISC	B 9	3	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69971	DISC	B10	4	TH	27	PSYCH 8LDG
	LECT	B	1	M W F	112	G H
69989	DISC	C 1	2	M	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
69997	DISC	C 2	3	M	13	PSYCH LAB
	LECT	C	9	M W F	L H	THEATRE
70005	DISC	C 3	4	M	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70013	DISC	C 4	12	TU	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70021	DISC	C 5	4	TU	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70030	DISC	C 6	12	W	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70048	DISC	C 7	4	W	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70056	DISC	C 8	8	TH	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70064	DISC	C 9	12	TH	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE
70072	DISC	C10	3	TH	13	PSYCH 8LDG
	LECT	C	9	M W F	L H	THEATRE

JAKOBDOVITS

DAVIS, TRIANDIS
FISBEIN

DAVIS, TRIANDIS
FISBEIN

PSYCH 201	CONTINUED									
70081	DISC	D 1	8	TU		17	PSYCH BLDG	DAVIS, TRIANDIS FISHBEIN		
	LECT	D	10	M W F	L H	THEATRE				
70099	DISC	D 2	9	TU		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE		DAVIS, TRIANDIS FISHBEIN		
70102	DISC	D 3	1	TU		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE				
70111	DISC	D 4	2	TU		17	PSYCH BLDG	DAVIS, TRIANDIS FISHBEIN		
	LECT	D	10	M W F	L H	THEATRE				
70129	DISC	D 5	3	TU		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE		DAVIS, TRIANDIS FISHBEIN		
70137	DISC	D 6	4	TU		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE				
70145	DISC	D 7	1	TH		17	PSYCH BLDG	DAVIS, TRIANDIS FISHBEIN		
	LECT	D	10	M W F	L H	THEATRE				
70153	DISC	D 8	2	TH		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE		DAVIS, TRIANDIS FISHBEIN		
70161	DISC	D 9	3	TH		17	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE				
70170	DISC	D10	4	TH		17	PSYCH BLDG	DAVIS, TRIANDIS FISHBEIN		
	LECT	D	10	M W F	L H	THEATRE				
70188	DISC	D11	2	TU		207	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE		DAVIS, TRIANDIS FISHBEIN		
70196	DISC	D12	3	TU		207	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE				
70200	DISC	D13	4	TU		207	PSYCH BLDG	DAVIS, TRIANDIS FISHBEIN		
	LECT	D	10	M W F	L H	THEATRE				
70218	DISC	D14	2	TH		207	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE		DAVIS, TRIANDIS FISHBEIN		
70226	DISC	D15	3	TH		207	PSYCH BLDG			
	LECT	D	10	M W F	L H	THEATRE				
70234	LECT	&E	8	M W F	207	PSYCH BLDG		AJZEN		
70242	LECT	&F	10	M W F	207	PSYCH BLDG		WICKER		
70251	LECT	&G	2	M W F	207	PSYCH BLDG		AJZEN		

PSYCH 211	PHYSIOLOGICAL PSYCHOLOGY.									
PREREQUISITE: PSYCH. 100, 103, OR 105; PHYSL. 103 OR ZOOL. 104.										
3 HOURS										
STUDENTS MUST REGISTER FOR LECT-DISC AND ONE LAB.										
70277	LECT-DISC		11		TU TH		31	PSYCH BLDG	MEAD	
70285	LAB	1	9		M		258	PSYCH BLDG		
70293	LAB	2	9		TU		258	PSYCH BLDG		
70307	LAB	3	9		W		258	PSYCH BLDG		
70315	LAB	4	9		TH		258	PSYCH BLDG		
70323	LAB	5	9		F		258	PSYCH BLDG		
70331	LAB	6	9		S		258	PSYCH BLDG		

PSYCH 216	CHILD PSYCHOLOGY.									
PREREQUISITE: PSYCH. 100, 103, OR 105.										
3 HOURS										
*SECTIONS 6D AND 6E ARE OFFERED IN THE SPECIAL INTEREST OF AND ARE LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.25 OR BETTER.										
70366	LECT	A	8	M	W	F	141	COM W	SAJWAI	
70374	LECT	B	10	M	W	F	103	M H	HILL	
70382	LECT	C	11	M	W	F	100	G H	L. COHEN	
70391	LECT	*6D	11-1	TU			23	PSYCH BLDG	BIJOU	
		*6D	12	TH			23	PSYCH BLDG	BIJOU	
70404	LECT	*6E	9	M	W	F	21	PSYCH BLDG	BOGARTZ	

PSYCH 217										COMPARATIVE DEVELOPMENT.									
PREREQUISITE: PSYCH. 100, 103, OR 105.																			
3 HOURS																			
70412		LECT		9		M W F		31		PSYCH BLDG					HIRSCH				

PSYCH 230 PERCEPTION.									
PREREQUISITE: PSYCH. 100, 103, OR 105.									
3 HOURS									
70421	LECT	A	1-220	TU TH	32	PSYCH BLDG	HAKE		
70439	LECT	B	9	M W F	32	PSYCH BLDG	KAPPAUF		

PSYCH 235 STATISTICAL METHODS IN PSYCHOLOGICAL RESEARCH.									
PREREQUISITE: PSYCH. 100, 103, OR 105; MATH. 111 OR EQUIVALENT.									
*ONLY 1 HOUR OF CREDIT IS GIVEN TO THOSE WHO HAVE CREDIT IN ECON. 170 OR 171, MATH. 161 OR PSYCH. 135.									
*4 HOURS									
70447	LECT	A	10	MTWTH	31	PSYCH BLOG	SCHENCK		
70455	LECT	B	2	MTWTH	31	PSYCH BLOG			
70463	LECT	C	10-12	TU TH	32	PSYCH BLOG	HUMPHREYS		
70471	LECT	D	3	MTWTH	31	PSYCH BLOG	SCHENCK		
PSYCH 245 INDUSTRIAL PSYCHOLOGY.									
PREREQUISITE: PSYCH. 100, 103, OR 105; A COURSE IN STATISTICS.									
3 HOURS									
70480	LECT		1	M W F	32	PSYCH BLOG	ILGEN		
PSYCH 248 LEARNING.									
PREREQUISITE: PSYCH. 100, 103, OR 105.									
3 HOURS									
70498	LECT	A	1	M W F	120	ARCH	LIEBERMAN		
PSYCH 250 PSYCHOLOGY OF PERSONALITY.									
PREREQUISITE: PSYCH. 100, 103, OR 105.									
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 150 AND 250.									
*3 HOURS									
SECTIONS 6D AND 6E ARE OFFERED IN THE SPECIAL INTEREST OF, AND ARE LIMITED TO, JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE POINT AVERAGE IS 4.25 OR BETTER.									
70501	LECT	A	9	M W F	100	G H	CLORE, RENNERT		
70510	LECT	B	10	M W F	66	LIB	J. WIGGINS		
70528	LECT	C	2	M W F	100	G H			
70536	LECT	6D	11	M W F	21	PSYCH BLOG	JONIEZ		
70544	LECT	6E	1	M W F	21	PSYCH BLOG	BROWN		
PSYCH 291 HONORS, I.									
PREREQUISITE: JUNIOR STANDING; CONSENT OF INSTRUCTOR.									
2 TO 4 HOURS									
70552	LECT-DISC	6	ARR				MALPASS		
PSYCH 293 INDIVIDUAL TOPICS.									
PREREQUISITE: TEN HOURS OF PSYCHOLOGY; A GRADE POINT AVERAGE OF 4.0; WRITTEN CONSENT OF INSTRUCTOR; IN EXCEPTIONAL CASES, UPON RECOMMENDATION OF THE INSTRUCTOR AND APPROVAL BY THE HEAD OF THE DEPARTMENT, STUDENTS MAY BE ADMITTED WITH A GRADE-POINT AVERAGE OF 3.75.									
2 TO 4 HOURS									
70561	CONF	A	ARR				STAFF		
70579	CONF	B	ARR						
70587	CONF	C	ARR						
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES									
PSYCH 307 QUANTITATIVE METHODS, II.									
PREREQUISITE: PSYCH. 306.									
4 HOURS OR 1 UNIT									
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE LAB.									
70595	LECT	A	10-12	TU TH	17	PSYCH BLOG	TATSUOKA		
70609	LECT	B	1-3	M W	17	PSYCH BLOG	BOGARTZ		
70617	LAB	1	ARR						
70625	LAB	2	ARR						
70633	LAB	3	ARR						
70641	LAB	4	ARR						
70650	LAB	5	ARR						
70668	LAB	6	ARR						
PSYCH 311 LABORATORY IN PHYSIOLOGICAL PSYCHOLOGY.									
PREREQUISITE: PSYCH. 211.									
4 HOURS, OR 1/2 OR 1 UNIT									
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE LAB.									
70676	LECT		9	M W	17	PSYCH BLOG	GREENOUGH &		
70684	LAB	1	ARR		258	PSYCH BLOG	DOONCHIN		
70692	LAB	2	ARR		258	PSYCH BLOG			
70706	LAB	3	ARR		258	PSYCH BLOG			
70714	LAB	4	ARR		258	PSYCH BLOG			

PSYCH 326 MOTIVATION AND EMOTION. PREREQUISITE: SIX HOURS OF PSYCHOLOGY. 3 HOURS, OR 1/2 OR 1 UNIT									
70722	LECT		11	M W F	103	M H		HART	
PSYCH 331 EXPERIMENTAL PSYCHOLOGY, II. PREREQUISITE: PSYCH. 235 AND 248. 4 HOURS OR 1/2 UNIT									
70731	LECT		1	M W	31	PSYCH BLOG		MASTERS	
70749	LAB	1	8-10	TU TH	289	PSYCH BLOG			
70757	LAB	2	10-12	TU TH	289	PSYCH BLOG			
70765	LAB	3	1-3	TU TH	289	PSYCH BLOG			
70773	LAB	4	3-5	TU TH	289	PSYCH BLOG			
PSYCH 332 RESEARCH METHODS IN SOCIAL PSYCHOLOGY. SAME AS SOC. 332. PREREQUISITE: PSYCH. 201 OR SOC. 201, AND PSYCH. 235 OR SOC. 184 AND 185. 4 HOURS, OR 1/2 OR 1 UNIT									
70781	LECT	A	9	TU TH	31	PSYCH BLOG		J. MCGRATH	
70790	LAB	A1	1-3	M W	151	PSYCH BLOG			
70803	LAB	A2	3-5	M W	151	PSYCH BLOG			
70811	LAB	A3	1-3	TU TH	151	PSYCH BLOG			
70820	LAB	A4	3-5	TU TH	151	PSYCH BLOG			
70838	LECT	B	2	M W	27	PSYCH BLOG		DAVIS	
70846	LAB	B1	9-11	M W	151	PSYCH BLOG			
70854	LAB	B2	11-1	M W	151	PSYCH BLOG			
PSYCH 338 ABNORMAL PSYCHOLOGY. PREREQUISITE: SIX HOURS OF PSYCHOLOGY, JUNIOR STANDING EXCEPT FOR THOSE IN THE PREMEDICAL CURRICULUM WHO MAY TAKE THE COURSE AS SECOND SEMESTER SOPHOMORES WITH FOUR HOURS OF PSYCHOLOGY. 3 HOURS, OR 1/2 OR 1 UNIT *SECTION 60 IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.25 OR BETTER.									
70862	LECT	A	8	M W F	103	M H		MARCUM	
70871	LECT	B	1-220	TU TH	314	A H		ULLMANN	
70889	LECT	C	12	M W F	100	G H		BERNSTEIN	
70897	LECT	*60	10	M W F	21	PSYCH BLOG		WAGMAN	
PSYCH 345 COMPARATIVE PSYCHOLOGY. PREREQUISITE: SIX HOURS OF PSYCHOLOGY, OR PSYCH. 100, 103, OR 105 AND A COURSE IN ZOOLOGY. 4 HOURS, OR 1/2 OR 1 UNIT									
70901	LECT	A	9	TU TH	207	PSYCH BLOG		LEIBERMAN	
70919	LAB	A1	10-12	TU TH	275	PSYCH BLOG			
70927	LAB	A2	1-3	M W	275	PSYCH BLOG			
PSYCH 348 THEORIES OF LEARNING PREREQUISITE: PSYCH. 248 OR EOPSY. 211. 3 HOURS, OR 1/2 OR 1 UNIT									
70935	LECT		1	M W F	23	PSYCH BLOG		BATCHELDER	
PSYCH 350 RESEARCH AND THEORY IN PERSONALITY. PREREQUISITE: PSYCH. 100 OR 103 AND PSYCH. 235 OR EQUIVALENT. *GRADUATE CREDIT IS NOT ALLOWED FOR BOTH PSYCH. 350 AND 441. *3 HOURS, OR 1/2 OR 1 UNIT									
70943	LECT		10-1120	TU TH	27	PSYCH BLOG		CLORE	
PSYCH 351 ADVANCED SOCIAL PSYCHOLOGY. SAME AS COMM. 351 AND SOC. 351. PREREQUISITE: PSYCH. 201 OR SOC. 201 AND PSYCH. 235 OR SOC. 385 OR A COMPARABLE STATISTICS COURSE. 3 HOURS, OR 1/2 OR 1 UNIT									
70951	LECT		1-220	TU TH	23	PSYCH BLOG		TRIANDIS	
PSYCH 355 INDUSTRIAL SOCIAL PSYCHOLOGY. SAME AS L.I.R. 355. PREREQUISITE: PSYCH. 201 OR 357. 3 HOURS, OR 1/2 OR 1 UNIT									
70960	LECT		9	M W F	207	PSYCH BLOG		ILGEN	

PSYCH 356 HUMAN FACTORS IN EQUIPMENT DESIGN.
 PREREQUISITE: PSYCH. 100, 103, OR 105; ONE COURSE IN STATISTICS OR COLLEGE MATHEMATICS.
 3 HOURS, OR 1/2 OR 1 UNIT
 70978 LECT 11 M W F 207 PSYCH BLDG WILLIGES

PSYCH 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
 SAME AS L.I.R. 357.
 PREREQUISITE: PSYCH. 100 OR EQUIVALENT.
 *NO CREDIT IS GIVEN FOR UNDERGRADUATE MAJORS IN PSYCHOLOGY.
 *3 HOURS, OR 1/2 OR 1 UNIT
 70986 LECT 10-1120 TU TH 207 PSYCH BLDG M WOOD

PSYCH 359 SOCIAL PSYCHOLOGY OF ORGANIZATION.
 SAME AS SOC. 359.
 PREREQUISITE--PSYCH. 355 OR SOC. 322.
 3 HOURS OR 1 UNIT
 70994 LECT 3-420 TU TH 21 PSYCH BLDG J MCGRATH

PSYCH 360 MODERN VIEWPOINTS IN PSYCHOLOGY.
 PREREQUISITE: SENIOR STANDING, 9 HOURS OF PSYCHOLOGY WITH AN AVERAGE GRADE OF B, WITH CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 71001 LECT 3-420 M W 29 PSYCH BLDG D MCGRATH

PSYCH 361 ADVANCED DEVELOPMENTAL PSYCHOLOGY.
 PREREQUISITE: PSYCH. 216 OR 217 AND A COURSE IN STATISTICS.
 3 HOURS, OR 1/2 TO 1 UNIT
 71019 LECT 9-1020 W F 27 PSYCH BLDG L COHEN

PSYCH 373 HUMAN DEVELOPMENT IN CROSS-CULTURAL PERSPECTIVE.
 SAME AS ANTH. 373.
 PREREQUISITE: SIX HOURS OF ANTHROPOLOGY, SOCIOLOGY OR PSYCHOLOGY OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 71027 LECT 11 M W F 17 PSYCH BLDG MALPASS

PSYCH 374 PROBLEMS IN HUMAN ECOLOGY.
 SAME AS ANTH., GEOG., H. ED., PHYSL., SOC., AND V.M.S. 374.
 PREREQUISITE: ANTH., GEOG., PHYSL., SOC., V.M.S. OR ZOOL. 369.
 4 HOURS OR 1 UNIT
 *ONE DISC HOUR TO BE ARRANGED.
 71035 LECT-DISC *11 M W F 242 BEV HALL SHIMKIN

PSYCH 386 METHODS OF FIELD RESEARCH.
 SAME AS SOC. 386.
 PREREQUISITE: SOC. 184 AND 185 OR PSYCH. 235.
 3 HOURS, OR 1/2 OR 1 UNIT
 71043 LECT-DISC R 1-230 TU TH 300 L H MCPHAIL

PSYCH 390 PSYCHOLOGICAL TESTS AND MEASUREMENTS.
 PREREQUISITE: PSYCH. 235.
 4 HOURS OR 1 UNIT
 71051 LECT A 9 TU TH 32 PSYCH BLDG HULIN
 71060 LAB A1 9-11 M W 219A PSYCH BLDG
 71078 LAB A2 1-3 M W 219A PSYCH BLDG
 71086 LAB A3 1-3 TU TH 219A PSYCH BLDG
 71094 LAB A4 3-5 M W 219A PSYCH BLDG

COURSES FOR GRADUATES

NOTE: THE PREREQUISITES STATED APPLY TO GRADUATE MAJORS IN PSYCHOLOGY. STUDENTS MINORING IN PSYCHOLOGY MAY, BY SPECIAL PERMISSION OF INSTRUCTORS, ENROLL IN CERTAIN OF THESE COURSES WITHOUT HAVING MET ALL OF THE PREREQUISITES.

PSYCH 403 PROSEMINAR IN GENERAL PSYCHOLOGY, I.
 PREREQUISITE: TWELVE HOURS OF PSYCHOLOGY.
 1 UNIT
 71108 LECT 3-5 TUWTH 23 PSYCH BLDG J COHEN

PSYCH 413	COMPUTER APPLICATIONS IN SOCIAL SCIENCE STATISTICAL RESEARCH. SAME AS C. S. AND SOC. 413. PREREQUISITE: SOC. 387 OR EQUIVALENT IN STATISTICS; MAY BE TAKEN CONCURRENTLY WITH SOC. 387. 1 UNIT					
71116	LECT-DISC E	1-220	TU TH	105G WOODSHOP	DICKMAN	
PSYCH 414	EXPERIMENTAL PERSONALITY RESEARCH. PREREQUISITE: PSYCH. 307 AND 404; CONSENT OF INSTRUCTOR. 1 UNIT					
71124	LECT LAB	2-4 1-3	TU TH	508 PSYCH LAB 608 PSYCH BLOG	RENNER & FEHR	
PSYCH 415	EXPERIMENTAL SENSORY PSYCHOLOGY. PREREQUISITE: TWELVE HOURS OF PSYCHOLOGY, INCLUDING A LABORATORY COURSE IN EXPERIMENTAL PSYCHOLOGY. 1 UNIT					
71132	LECT LAB	10-12 ARR	W	608 PSYCH BLOG	GREENBERG	
PSYCH 417	EXPERIMENTAL PSYCHOLOGY OF LEARNING, I: BASIC PROCESSES. PREREQUISITE: TWELVE HOURS OF PSYCHOLOGY. 1 UNIT					
71141	LECT LAB	10-12 ARR	TU	608 PSYCH BLOG	MAIER	
PSYCH 418	EXPERIMENTAL PSYCHOLOGY OF LEARNING, II: HUMAN LEARNING. PREREQUISITE: PSYCH. 417 OR CONSENT OF INSTRUCTOR. 1 UNIT					
71159	LECT LAB	10-12 ARR	W	508 PSYCH BLOG	ADAMS	
PSYCH 426	RESEARCH SEMINAR IN PSYCHOLINGUISTICS. SAME AS LING. AND COMM. 426. PREREQUISITE: PSYCH. 425, CONSENT OF INSTRUCTOR. 1/2 OR 1 UNIT					
71167	LECT	10-12	TU	21 PSYCH BLOG	BREWER	
PSYCH 429	SECOND LANGUAGE ACQUISITION AND BILINGUALISM. SAME AS LING. 429. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT					
71175	LECT	1-3	TH	708 PSYCH BLOG	JAKOBOWITS	
PSYCH 431	PSYCHOLOGICAL MEASUREMENT IN INDUSTRY. PREREQUISITE: PSYCH. 307 OR EQUIVALENT. 1 UNIT					
71183	LECT	1-3	W	708 PSYCH BLOG	HULIN	
PSYCH 436	MATHEMATICAL MODELS IN PSYCHOLOGY. PREREQUISITE: ONE YEAR OF CALCULUS, PSYCH. 306 AND 307; OR CONSENT OF INSTRUCTOR. 1/2 OR 1 UNIT					
71191	LECT	9-1020	TU TH	508 PSYCH BLOG	BATCHELDER	
PSYCH 439	INTRODUCTION TO CLINICAL PSYCHOLOGY, II. PREREQUISITE: PSYCH. 438. 1 UNIT.					
71205	LECT	1-3	TH	21 PSYCH BLOG	O PETERSON	
PSYCH 442	BEHAVIOR DISORDERS. PREREQUISITE: PSYCH. 338 AND 440; CONSENT OF INSTRUCTOR. 1/2 UNIT					
71213	LECT	9-11	F	17 PSYCH BLOG	ULLMANN	
PSYCH 444	PSYCHODIAGNOSTICS, II. PREREQUISITE: PSYCH. 443, CONSENT OF INSTRUCTOR. 1 UNIT					
71221	LECT	8-12	TU	PSYCH CLINIC	SHANNON, MARCUM	

PSYCH 446	LABORATORY IN BEHAVIOR MODIFICATION.						
	PREREQUISITE: PSYCH. 445.						
	1/2 UNIT						
71230	LAB	A	ARR		PSYCH CLINIC		R. PETERSON GILBERT, PAUL RAPPAPOET, WAGNER, SWARR
71248	LAB	B	ARR		PSYCH CLINIC		
PSYCH 447	PRACTICUM.						
	PREREQUISITE: CREDIT OR REGISTRATION IN PSYCH. 445 AND 446.						
	*STUDENTS MAY ACCUMULATE 1 UNIT.						
	*1/2 UNIT						
71256	LAB		ARR		PSYCH CLINIC		MILLER, MOSS PAUL, SHANNON
PSYCH 448	PRACTICUM IN THE STUDY OF INDIVIDUALS.						
	PREREQUISITE: PSYCH. 441.						
	1/2 OR 1 UNIT						
71264	LECT		2-4	TU	508 PSYCH BLDG		FEHR & RENNER
	LAB		1-3	TH	608 PSYCH BLDG		
PSYCH 450	COMMUNITY PSYCHOLOGY.						
	PREREQUISITE: SECOND YEAR GRADUATE STANDING IN CLINICAL PSYCHOLOGY						
	OR CONSENT OF INSTRUCTOR.						
	1/2 UNIT						
71272	LECT		1-3	M	PSYCH CLINIC		MOSS
PSYCH 454	ORGANIZATIONAL SCIENCES, II.						
	SAME AS I ADM. 411, POL. S. 461, AND SOC. 457.						
	PREREQUISITE: PSYCH. 453.						
	1 UNIT						
71281	LECT-DISC		3-5	TU TH	160 COM W		GRAEN
PSYCH 456	PSYCHOLOGY OF SOCIAL COMMUNICATION.						
	SAME AS COMM. 456.						
	PREREQUISITE: PSYCH. 351 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
71299	LECT		2-4	M	21 PSYCH BLDG		FISHBEIN
PSYCH 457	THEORY AND RESEARCH IN ORGANIZATIONAL PSYCHOLOGY.						
	PREREQUISITE: PSYCH. 455 OR CONSENT OF INSTRUCTOR.						
	1 UNIT						
71302	LECT		1-3	TU	708 PSYCH BLDG		GRAEN
PSYCH 458	GROUP DYNAMICS.						
	PREREQUISITE: SIX UNITS OF GRADUATE CREDIT IN PSYCHOLOGY, INCLUDING						
	PSYCH. 351 OR EQUIVALENT.						
	1 UNIT						
71311	LECT		10-12	F	708 PSYCH BLDG		I STEINER
PSYCH 462	HUMAN ABILITIES.						
	PREREQUISITE: PSYCH. 307 OR EQUIVALENT.						
	1 UNIT						
71329	LECT		8-10	W	508 PSYCH BLDG		HUMPHREYS
PSYCH 463	RESEARCH METHODS IN CLINICAL PSYCHOLOGY AND PERSONALITY, I.						
	PREREQUISITE: PSYCH. 306, 403.						
	1/2 UNIT						
71337	LECT		1-3	TU	608 PSYCH BLDG		BERNSTEIN
PSYCH 465	LEARNING IN CHILDREN.						
	PREREQUISITE: TWELVE HOURS OF PSYCHOLOGY; CONSENT OF INSTRUCTOR.						
	1 UNIT						
71345	LECT		10-12	TH	708 PSYCH BLDG		GOULET
PSYCH 470	PRINCIPLES AND METHODS OF TEACHING PSYCHOLOGY.						
	PREREQUISITE: SECOND-YEAR GRADUATE STANDING IN PSYCHOLOGY OR						
	CONSENT OF INSTRUCTOR.						
	1/2 OR 1 UNIT						
71353	LECT		10-12	TH	608 PSYCH BLDG		COSTIN

PSYCH 483 PSYCHOLOGY OF SPEECH AND HEARING DISORDERS, 1.
 SAME AS SPCH. 483.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 71361 LECT-DISC 10-12 TU 324 I H D'NEILL
 10 TH 324 I H

PSYCH 485 THE SAMPLING OF HUMAN POPULATIONS AND SOCIAL ORGANIZATIONS.
 SAME AS MKTG. AND SOC. 485.
 PREREQUISITE: SOC. 387 OR ECON. 371, OR CONSENT OF INSTRUCTOR.
 1 UNIT
 71370 LECT-DISC G 3-5 W 224 O K H SUOMAN

PSYCH 490 INDIVIDUAL RESEARCH.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 TO 2 UNITS
 STUDENTS ENROLLING FOR MORE THAN ONE TOPIC MUST SELECT A SEPARATE
 SECTION FOR EACH TOPIC. THE SELECTION IS ARBITRARY.
 71388 CONF A ARR STAFF
 71396 CONF B ARR STAFF
 71400 CONF C ARR STAFF

PSYCH 492 PSYCHOLOGY OF LEARNING AND INSTRUCTION.
 SAME AS ED. PSY. 492.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT
 71418 LECT-DISC 10-12 TU 8 L H ANDERSON

PSYCH 493 SEMINAR.
 PREREQUISITE: SIX UNITS OF GRADUATE CREDIT IN PSYCHOLOGY; CONSENT
 OF INSTRUCTOR.
 1/2 OR 1 UNIT
 STUDENTS ENROLLING FOR MORE THAN ONE TOPIC MUST SELECT A SEPARATE
 SECTION FOR EACH TOPIC. THE SELECTION IS ARBITRARY.
 71426 LECT-DISC A ARR STAFF
 71434 LECT-DISC B ARR STAFF
 71442 LECT-DISC C ARR STAFF

PSYCH 494 MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION.
 SAME AS ED. PSY. AND SOC. 494.
 PREREQUISITE: PSYCH. 307 OR ED. PSY. 496, CONSENT OF INSTRUCTOR.
 1 UNIT
 71451 LECT 2-4 TH 508 PSYCH BLOG TUCKER

PSYCH 495 THEORY OF MEASUREMENT.
 SAME AS ED. PSY. 495.
 PREREQUISITE: ED. PSY. 496 OR PSYCH. 307 OR EQUIVALENT,
 ED. PSY. 392 OR PSYCH. 390 OR EQUIVALENT.
 1 UNIT
 71469 LECT-DISC 3-5 W 166 EDUC HARROP

PSYCH 499 THESIS RESEARCH.
 0 TO 4 UNITS
 *SECTION A IS FOR M.A. THESIS, SECTION B IS FOR PH. D. THESIS.
 71477 CONF *A ARR STAFF
 71485 CONF *B ARR STAFF

RADIO AND TELEVISION

DEPARTMENT OFFICE

227 G H

COURSES FOR ADVANCED UNDERGRADUATES

R TV	252	TELEVISION LABORATORY. PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT. 3 HOURS									
	71493	LECT	A	8	M	225	G H			BLUE	
	71507	LAB	B	8-10	W F	8	TV BLOG			BLUE	
	71515	LAB	L	8-10	TU TH	8	TV BLOG			BLUE	
R TV	261	PRINCIPLES OF RADIO AND TELEVISION BROADCASTING. 2 HOURS									
	71523	LECT-DISC	N	10	TU TH	113	G H			JONES	
	71531	LECT-DISC	P	11	TU TH	113	G H			JONES	
	71540	LECT-DISC	S	2	TU TH	43	G H			DOUGLASS	
R TV	263	RADIO AND TELEVISION ANNOUNCING. PREREQUISITE: CONSENT OF INSTRUCTOR. 2 HOURS									
	71558	LAB-DISC	L	8-10	TU TH	233	G H			STELLA	
R TV	267	RADIO PRODUCTION AND DIRECTION. PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT. 3 HOURS									
	71566	LECT	A	8	M	233	G H			STELLA	
		LAB	A	8-10	W F	233	G H			STELLA	
R TV	280	FUNDAMENTALS OF DRAMATIC WRITING AND STRUCTURE. SAME AS THEAT. 280 AND RHET. AND SPCH. 263. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS									
	71574	LECT-DISC		1-3	TU	CONF ROOM KRN				AULETTA	
				1	TH	CONF ROOM KRN					
R TV	291	SPECIAL PROBLEMS. PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT. 2 OR 3 HOURS									
	71582	CONF		ARR						STAFF	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

R TV	354	TELEVISION DIRECTING. PREREQUISITE: R. TV. 252; CONSENT OF HEAD OF DEPARTMENT. 3 HOURS OR 1/2 UNIT									
	71591	LECT	B	9	M	8	TV BLOG			BLUE	
		LAB	B	9-10	W F	8	TV BLOG			BLUE	
R TV	355	TELEVISION NEWS. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT									
	71604	LECT-DISC	C	10	M	225	G H			LIPPOLO	
		LAB	C	10-12	W F	225	G H			LIPPOLO	
R TV	356	CINEMATOGRAPHY FOR TELEVISION. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT									
	71612	LECT	R	1	TU TH	501	S WRIGHT			HALL	
		LAB	R	2-5	TH	501	S WRIGHT			HALL	
	71621	LECT	L	8	TU TH	501	S WRIGHT			HALL	
		LAB	L	9-12	TU	501	S WRIGHT			HALL	
R TV	357	BROADCAST CONTINUITY WRITING. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT									
	71639	LECT-DISC	E	1	M W F	225	G H			LIPPOLO	

R TV 362 RADIO AND TELEVISION STATION MANAGEMENT.
 PREREQUISITE: R. TV. 261, SENIOR STANDING.
 2 HOURS OR 1/2 UNIT
 71647 LECT-DISC N 10 TU TH 225 G H MULLALLY

R TV 363 ADVANCED DRAMATIC WRITING.
 SAME AS SPCH. 363 AND THEAT. 380.
 PREREQUISITE: SPCH. 263, CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE SIX HOURS OR TWO UNITS.
 *3 HOURS, OR 1/2 OR 1 UNIT
 71655 LECT-DISC 3-6 W CONF ROOM KRAM AULETTA

R TV 365 RADIO NEWS.
 PREREQUISITE: JOURN. 211.
 3 HOURS OR 1/2 UNIT
 71663 LECT F 2 M 225 G H CRAMER
 71671 LAB G 2-4 W F 225 G H CRAMER
 71680 LAB S 2-4 TU TH 225 G H CRAMER

R TV 366 ADVANCED RADIO AND TELEVISION PRACTICES, I.
 PREREQUISITE: ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 71698 CONF A ARR BLUE
 71701 CONF B ARR CRAMER
 71710 CONF C ARR HALL
 71728 CONF D ARR LIPPOLD
 71736 CONF E ARR MULLALLY

R TV 367 ADVANCED RADIO AND TELEVISION PRACTICES, II.
 PREREQUISITE: ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
 2 HOURS OR 1/2 UNIT
 *SECTION C IS FOR HEA INSTITUTES FOR SCHOOL LIBRARIANS.
 71744 CONF A ARR BLUE
 71752 CONF B ARR CRAMER
 71787 CONF *C ARR HALL
 71761 CONF D ARR LIPPOLD
 71779 CONF E ARR MULLALLY

R TV 368 RADIO AND TELEVISION REGULATIONS.
 PREREQUISITE: SENIOR STANDING.
 2 HOURS OR 1/2 UNIT
 71795 LECT-DISC P 11 TU TH 225 G H DOUGLASS

COURSES FOR GRADUATES

R TV 450 SPECIAL PROBLEMS IN TELEVISION.
 PREREQUISITE: A TELEVISION COURSE IN THE AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
 1/2 TO 3 UNITS
 71809 CONF A ARR BLUE
 71817 CONF B ARR CRAMER
 71825 CONF C ARR HALL
 71833 CONF D ARR LIPPOLD
 71841 CONF E ARR MULLALLY

R TV 451 TELEVISION PROGRAM MANAGEMENT AND PRODUCTION.
 PREREQUISITE: COURSE OR EXPERIENCE IN TELEVISION DIRECTING AND PRODUCTION, CONSENT OF INSTRUCTOR.
 1 UNIT
 71850 LECT-DISC G 3-5 W 123 G H

R TV 463 WORLD BROADCASTING.
 SAME AS COMM. 463.
 PREREQUISITE: R. TV. 462 OR CONSENT OF INSTRUCTOR.
 1 UNIT
 71868 LECT-DISC H 3-5 M 123 G H

R TV 490 SPECIAL TOPICS IN RADIO AND TELEVISION.
 PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
 1/2 OR 1 UNIT
 71876 CONF ARR STAFF

R TV 499 THESIS RESEARCH.
 PREREQUISITE: GRADUATE STANDING IN RADIO AND TELEVISION.
 1 OR 2 UNITS
 71884 CONF ARR STAFF

RECREATION AND PARK ADMINISTRATION

DEPARTMENT OFFICE

104 HUFF GYM

COURSES FOR UNDERGRADUATES

REC 100 LEISURE: ITS USES AND RESOURCES.
 4 HOURS
 71892 LECT 9 M 32B ARMORY LOWREY, LUPTON
 LAB 1-3 TU ARR LOWREY, LUPTON
 71906 DISC A 9 W F 154 ARMORY LOWREY
 71914 DISC B 9 W F 207A H G LUPTON

REC 110 THEORIES AND METHODS OF LEADERSHIP.
 PREREQUISITE: REC. 100 OR CONSENT OF INSTRUCTOR.
 3 HOURS
 71922 LECT-DISC 11 M F 211 H G GERSTENBERGER
 LAB 11-1 W 207 FREER GYM GERSTENBERGER

REC 140 PRINCIPLES OF CAMPING.
 3 HOURS
 *INCLUDES FIVE PRACTICAL CAMPING SESSIONS WITH BOYS AND GIRLS, 8.30
 A.M. TO 12.00 NOON SATURDAYS, APRIL AND MAY.
 71931 LECT-DISC *830-10 TU TH 242 ARMORY IVINS

REC 180 FIELD EXPERIENCE, I.
 PREREQUISITE: ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR
 CONSENT OF INSTRUCTOR.
 0 TO 1 HOUR
 71949 LAB-DISC 3-5 W 428 ARMORY STAFF

REC 181 FIELD EXPERIENCE, II.
 PREREQUISITE: ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR
 CONSENT OF INSTRUCTOR.
 0 TO 1 HOUR
 71957 LAB-DISC 3-5 W 428 ARMORY STAFF

REC 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 71965 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES

REC 200 OBSERVATION TRIP.
 PREREQUISITE: MAJOR OR MINOR IN RECREATION.
 NO CREDIT
 71973 LAB ARR STAFF

REC 210 THEORIES AND METHODS OF SUPERVISION.
 PREREQUISITE: REC. 180 AND 181, OR CONSENT OF INSTRUCTOR.
 3 HOURS
 71981 LECT-DISC 10 M W F 207A H G STAFF

REC 215 RECREATION PROGRAM DEVELOPMENT.
 PREREQUISITE: REC. 100 AND 200, OR CONSENT OF INSTRUCTOR.
 3 HOURS
 71990 LECT-DISC 2 M W F 207A H G STAFF

REC	230	INTRODUCTION TO THERAPEUTIC RECREATION.						
		PREREQUISITE: REC. 100, 110, AND 180, OR CONSENT OF INSTRUCTOR.						
		3 HOURS						
	72006	LECT-DISC	10-1130	TU TH	147	ARMORY	FRYE	
REC	240	INTRODUCTION TO OUTDOOR EDUCATION AND RECREATION.						
		PREREQUISITE: REC. 100 OR CONSENT OF INSTRUCTOR.						
		3 HOURS						
	72014	LECT-DISC	3-5	TU TH	211	H G	WEAVER	
REC	250	SPECIAL PROBLEMS.						
		PREREQUISITE: JUNIOR OR SENIOR STANDING; MINIMUM GRADE POINT AVERAGE OF 3.5; CONSENT OF FACULTY ADVISOR AND INSTRUCTOR.						
		APPROVAL OF DEPARTMENT HEAD.						
		*MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.						
		*2 OR 3 HOURS						
	72022	CONF	ARR				STAFF	
REC	260	HONORS SEMINAR.						
		SAME AS H. ED., P. E. W., AND P. E. M. 260.						
		PREREQUISITE: JAMES SCHOLAR OR GRADE-POINT AVERAGE OF 4.0 THE PRECEDING SEMESTER; CONSENT OF FACULTY ADVISER, INSTRUCTOR AND HEAD OF DEPARTMENT.						
		*MAY BE REPEATED FOR A TOTAL OF 6 HOURS CREDIT.						
		*2 HOURS						
	72031	LECT-DISC	EX1	7-9PM	TU	15	E B	STAFF
	72049	LECT-DISC	EX2	7-9PM	TU	207B	FREER GYM	STAFF
	72057	LECT-DISC	EX3	7-9PM	TU TH	209	H G	STAFF
REC	272	ORGANIZATION OF AQUATIC PROGRAMS.						
		SAME AS P. E. M. AND P. E. W. 272.						
		2 HOURS						
	72065	LECT-DISC	M	9	TU TH	154	ARMORY	POHNDOFF
REC	273	RECREATION IN RURAL AREAS.						
		SAME AS AG. EC. 273.						
		PREREQUISITE: REC. 100 OR SOC. 100 OR R. SOC. 117.						
		FIELD TRIPS, ESTIMATED EXPENSE \$15.00.						
		2 HOURS						
	72073	LECT-DISC	L	8	TU TH	405	M H	REGNIER
REC	280	PRE-PRACTICUM SEMINAR.						
		PREREQUISITE: REC. 181; JUNIOR STANDING AND CONSENT OF THE SUPERVISOR OF FIELD TRAINING.						
		0 CREDIT						
	72081	LAB-DISC	3-5	W	428	ARMORY	STAFF	
		COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES						
REC	310	INTRODUCTION TO ADMINISTRATION.						
		PREREQUISITE: REC. 100 AND ADVANCED UNDERGRADUATE STANDING.						
		3 HOURS, OR 1/2 OR 1 UNIT						
	72090	LECT-DISC	9-11	M W	349	ARMORY	PEZOLDT	
REC	320	PARK MANAGEMENT.						
		PREREQUISITE: OPEN TO SENIOR RECREATION MAJORS, OR CONSENT OF INSTRUCTOR; THE FOLLOWING RECREATION COURSES OR EQUIVALENT MUST BE COMPLETED: L. A. 226, U. P. 171, POL S. 305, REC. 280 AND 281.						
		3 HOURS, OR 1/2 OR 1 UNIT						
	72103	LECT-DISC	2-4	M W	154	ARMORY	VAN METER	
REC	330	PRINCIPLES OF THERAPEUTIC RECREATION.						
		PREREQUISITE: ADVANCED UNDERGRADUATE OR GRADUATE STANDING; REC. 100 AND 180 OR 181, OR CONSENT OF INSTRUCTOR.						
		3 HOURS, OR 1/2 OR 1 UNIT						
	72111	LECT-DISC	8-930	TU TH	147	ARMORY	FRYE	

COURSES FOR GRADUATES

REC	402	RECREATION ADMINISTRATION. PREREQUISITE: BASIC COURSES IN THE ORGANIZATION OF RECREATION OR EQUIVALENT. 1 UNIT	72120	LECT-DISC	10-12	TH	148	ARMORY	SAPORA
REC	403	EVALUATION OF RECREATION RESOURCES AND PROGRAMS. PREREQUISITE: REC 100 OR 310, OR EQUIVALENT. 1 UNIT	72138	LECT-DISC	2-4	TU TH	152	ARMORY	BISHOP, LINFORD
REC	490	SEMINAR. 0 CREDIT	72146	LECT-DISC	10-12	TU	148	ARMORY	STAFF
REC	493	SPECIAL PROJECTS. PREREQUISITE: REC. 403 OR EQUIVALENT, RECREATION MAJOR. 1/2 TO 2 UNITS	72154	CONF	A	ARR			BISHOP
			72162	CONF	B	ARR			FRYE
			72171	CONF	C	ARR			SAPORA
			72189	CONF	D	ARR			WEAVER
			72197	CONF	E	ARR			ELLIS
			72201	CONF	F	ARR			STAFF
REC	499	THESIS RESEARCH. 0 TO 4 UNITS	72219	CONF	ARR				STAFF

RELIGIOUS STUDIES

DEPARTMENT OFFICE

361 L H

THIS PROGRAM IS SPONSORED BY THE COMMITTEE ON RELIGIOUS STUDY.
THE FACULTY ADVISER FOR MINORS IN THIS PROGRAM IS PROFESSOR
JOHN J. BATEMAN, 361 LINCOLN HALL.

THE MINOR IN RELIGIOUS STUDIES REQUIRES AT LEAST TWENTY
SEMESTER HOURS (INCLUDING HUMANITIES 201 AND 202) DISTRIBUTED
AMONG AT LEAST THREE DEPARTMENTS AND CHOSEN FROM THE LIST BELOW.

FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE
APPROPRIATE DEPARTMENTS.

ANTHROPOLOGY	363
CLASSICAL CIVILIZATION	111
HUMANITIES	201, 202, 203, 205, 206, 208
HISTORY	304, 306, 307, 397, 398, 399
PHILOSOPHY	110, 304, 324, 361, 362, 363
SOCIOLOGY	229, 328

RHETORIC
INCLUDING RHETORIC AND COMPOSITION, ENGLISH
AS A SECOND LANGUAGE, AND BUSINESS AND TECHNICAL WRITING

RHETORIC AND COMPOSITION

DEPARTMENT OFFICE

100 E 8

MAJOR: TWENTY HOURS IN ENGLISH, INCLUDING TEN HOURS IN LITERATURE (CHOSEN FROM ENGLISH 131 AND ENGLISH COURSES AT THE 200 OR 300 LEVELS) AND TEN HOURS OF WRITING (CHOSEN FROM RHETORIC 143, 144, 205, 206, 227, 246, 255, 263, AND 330). AT LEAST ONE COURSE IN EXPOSITORY WRITING (RHETORIC 143, 227) IS REQUIRED. WITH AN ADVISOR'S PERMISSION, SPEECH 363 OR JOURNALISM 326 MAY BE COUNTED TOWARD THE MAJOR. A STUDENT WHO PLANS TO ATTEND GRADUATE SCHOOL SHOULD TAKE INTO ACCOUNT THE ENTRANCE REQUIREMENTS OF THE GRADUATE DEPARTMENT HE WISHES TO ENTER.

MINOR: AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER IF TWO ARE CHOSEN: ANTHROPOLOGY, ECONOMICS, ANY FOREIGN LANGUAGE, HISTORY, HUMANITIES, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH; OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC (NOT INCLUDING APPLIED MUSIC) COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. THE PROGRAM IN ASIAN STUDIES IS ACCEPTED AS A SOLE MINOR. WITH THE WRITTEN APPROVAL OF THE DEPARTMENT ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED. NO LANGUAGE COURSES WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJOR OF THEIR DEPARTMENT EXCEPT FRENCH 103, 104, GERMAN 103, 104, LATIN 101, 102, 103, PORTUGUESE 103, 104, RUSSIAN 103, 104, AND SPANISH 103, 104. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED. STUDENTS INTENDING TO DO GRADUATE WORK SHOULD CONSULT THE LANGUAGE REQUIREMENTS OF THE GRADUATE COLLEGE AND THE ENGLISH DEPARTMENT WHEN THEY PLAN THEIR MINOR PROGRAMS.

DEPARTMENTAL HONORS PROGRAM AND DISTINCTION: A STUDENT MAJORING IN RHETORIC AND COMPOSITION WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT (4.0 OR HIGHER) MAY EARN DISTINCTION ONLY BY COMPLETING NINE HOURS OF HONORS WORK IN ADDITION TO THE MINIMUM NUMBER OF HOURS REQUIRED FOR HIS MAJOR. THIS ADDITIONAL CREDIT MUST INVOLVE A SIGNIFICANT WRITING PROJECT IN RHETORIC 255, THE COMPLETION OF ENGLISH 297, AND ANY TWO OF THE FOLLOWING THREE HONORS COURSES: ENGLISH 197, 295, 296. THE LEVEL OF DISTINCTION (DISTINCTION, HIGH DISTINCTION, HIGHEST DISTINCTION) IS DETERMINED BY THE INSTRUCTORS IN CHARGE OF THE COURSES AND THE HONORS COMMITTEE. TO RECEIVE HIGH DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE-POINT AVERAGE OF 4.5 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR; TO RECEIVE HIGHEST DISTINCTION, HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.75. IF, IN THE OPINION OF HIS INSTRUCTORS AND THE COMMITTEE, A CANDIDATE HAS NOT EARNED DISTINCTION, HE MAY STILL RECEIVE CREDIT FOR THE COURSE.

COURSES FOR UNDERGRADUATES

RHET 101 FRESHMAN RHETORIC AND COMPOSITION.
3 HOURS

72227	LECT-DISC	B	9	M	W	F	325	D	K	H
72235	LECT-DISC	E	1	M	W	F	325	D	K	H
72243	LECT-DISC	G	3	M	W	F	325	D	K	H
72251	LECT-DISC	O	11-1230	TU	TH		223	E	B	

RHET 102 FRESHMAN RHETORIC AND COMPOSITION.

PREREQUISITE: RHET. 101.

3 HOURS

72260	LECT-DISC	A1	8	M	W	F	241	ARMORY
72278	LECT-DISC	A2	8	M	W	F	282	BEV HALL
72286	LECT-DISC	A3	8	M	W	F	206	D K H
72294	LECT-DISC	A4	8	M	W	F	248	M E B
72308	LECT-DISC	A5	8	M	W	F	109	N L
72316	LECT-DISC	B1	9	M	W	F	241	ARMORY
72324	LECT-DISC	B2	9	M	W	F	242	ARMORY
72332	LECT-DISC	B3	9	M	W	F	9	C A
72341	LECT-DISC	B4	9	M	W	F	248	M E B
72359	LECT-DISC	B5	9	M	W	F	109	N L
72367	LECT-DISC	B6	9	M	W	F	312	N L
72375	LECT-DISC	B7	9	M	W	F	108	SURV BLDG
72383	LECT-DISC	B8	9	M	W	F	331	G H
72391	LECT-DISC	C1	10	M	W	F	325	D K H
72405	LECT-DISC	C2	10	M	W	F	242	ARMORY
72413	LECT-DISC	C3	10	M	W	F	9	C A
72421	LECT-DISC	C4	10	M	W	F	248	M E B
72430	LECT-DISC	C5	10	M	W	F	238	M E B
72448	LECT-DISC	C6	10	M	W	F	312	N L
72456	LECT-DISC	C7	10	M	W	F	108	SURV BLDG
72464	LECT-DISC	D1	11	M	W	F	238	M E B
72472	LECT-DISC	D2	11	M	W	F	242	ARMORY
72481	LECT-DISC	D3	11	M	W	F	9	C A
72499	LECT-DISC	D4	11	M	W	F	248	M E B
72502	LECT-DISC	D5	11	M	W	F	109	N L
72511	LECT-DISC	D6	11	M	W	F	312	N L
72529	LECT-DISC	D7	11	M	W	F	108	SURV BLDG
72537	LECT-DISC	X1	12	M	W	F	241	ARMORY
72545	LECT-DISC	X2	12	M	W	F	206	D K H
72553	LECT-DISC	X3	12	M	W	F	9	C A
72561	LECT-DISC	X4	12	M	W	F	248	M E B
72570	LECT-DISC	X5	12	M	W	F	109	N L
72588	LECT-DISC	X6	12	M	W	F	312	N L
72596	LECT-DISC	X7	12	M	W	F	108	SURV BLDG
72600	LECT-DISC	X8	12	M	W	F	242	ARMORY
72618	LECT-DISC	E1	1	M	W	F	241	ARMORY
72626	LECT-DISC	E2	1	M	W	F	206	D K H
72634	LECT-DISC	E3	1	M	W	F	9	C A
72642	LECT-DISC	E4	1	M	W	F	248	M E B
72651	LECT-DISC	E5	1	M	W	F	109	N L
72669	LECT-DISC	E6	1	M	W	F	312	N L
72677	LECT-DISC	E7	1	M	W	F	108	SURV BLDG
72685	LECT-DISC	E8	1	M	W	F	242	ARMORY
72693	LECT-DISC	F1	2	M	W	F	241	ARMORY
72707	LECT-DISC	F2	2	M	W	F	325	D K H
72715	LECT-DISC	F3	2	M	W	F	9	C A
72723	LECT-DISC	F4	2	M	W	F	248	M E B
72731	LECT-DISC	F5	2	M	W	F	109	N L
72740	LECT-DISC	F6	2	M	W	F	312	N L
72758	LECT-DISC	F7	2	M	W	F	108	SURV BLDG
72766	LECT-DISC	F8	2	M	W	F	242	ARMORY
72774	LECT-DISC	G1	3	M	W	F	252	ADMIN
72782	LECT-DISC	G2	3	M	W	F	241	ARMORY
72791	LECT-DISC	G3	3	M	W	F	206	D K H
72804	LECT-DISC	G4	3	M	W	F	209	E B
72812	LECT-DISC	G5	3	M	W	F	240	L H
72821	LECT-DISC	G6	3	M	W	F	248	M E B
72839	LECT-DISC	G7	3	M	W	F	109	N L
72847	LECT-DISC	H1	4	M	W	F	252	ADMIN
72855	LECT-DISC	H2	4	M	W	F	241	ARMORY
72863	LECT-DISC	H3	4	M	W	F	206	D K H
72871	LECT-DISC	H4	4	M	W	F	209	E B
72880	LECT-DISC	H5	4	M	W	F	240	L H
72898	LECT-DISC	H6	4	M	W	F	312	N L
72901	LECT-DISC	H7	4	M	W	F	109	N L
72910	LECT-DISC	J1	9-1030	TU	TH		282	BEV HALL
72928	LECT-DISC	J2	9-1030	TU	TH		142	ADMIN
72936	LECT-DISC	J3	9-1030	TU	TH		252	ADMIN
72944	LECT-DISC	J4	9-1030	TU	TH		206	D K H
72952	LECT-DISC	J5	9-1030	TU	TH		259	E B
72961	LECT-DISC	K1	1030-12	TU	TH		282	BEV HALL
72979	LECT-DISC	K2	1030-12	TU	TH		142	ADMIN
72987	LECT-DISC	K3	1030-12	TU	TH		252	ADMIN
72995	LECT-DISC	K4	1030-12	TU	TH		206	D K H
73001	LECT-DISC	K5	1030-12	TU	TH		259	E B

RHET	102	CONTINUED							
73010		LECT-DISC	L1	8	TU TH S	137	ADMIN		
73028		LECT-DISC	L2	8	TU TH S	210B	E B		
73036		LECT-DISC	M1	9	TU TH S	137	ADMIN		
73044		LECT-DISC	M2	9	TU TH S	210B	E B		
73052		LECT-DISC	N1	10	TU TH S	109	N L		
73061		LECT-DISC	N2	10	TU TH S	312	N L		
73079		LECT-DISC	O1	11-1230	TU TH	108	E B		
73087		LECT-DISC	O2	11-1230	TU TH	117	E B		
73095		LECT-DISC	O3	11-1230	TU TH	325	D K H		
73109		LECT-DISC	P1	11	TU TH S	109	N L		
73117		LECT-DISC	P2	11	TU TH S	312	N L		
73125		LECT-DISC	Q1	12-130	TU TH	142	ADMIN		
73133		LECT-DISC	Q2	12-130	TU TH	238	M E B		
73141		LECT-DISC	R1	1	TU	109	N L		
			R1	1-3	TH	109	N L		
73150		LECT-DISC	R2	1	TU	405	M H		
			R2	1-3	TH	405	M H		
73168		LECT-DISC	R3	1	TU	242	ARMORY		
			R3	1-3	TH	242	ARMORY		
73176		LECT-DISC	R4	1	TU	325	D K H		
			R4	1-3	TH	325	D K H		
73184		LECT-DISC	R5	1	TU	241	ARMORY		
			R5	1-3	TH	241	ARMORY		
73192		LECT-DISC	R6	1	TU	240	L H		
			R6	1-3	TH	240	L H		
73206		LECT-DISC	S1	2	TU	282	BEV HALL		
			S1	4-6	TH	282	BEV HALL		
73214		LECT-DISC	S2	2	TU	137	ADMIN		
			S2	4-6	TH	137	ADMIN		
73222		LECT-DISC	S3	2	TU	140	ADMIN		
			S3	4-6	TH	140	ADMIN		
73231		LECT-DISC	S4	2	TU	117	E B		
			S4	4-6	TH	117	E B		
73249		LECT-DISC	S5	2	TU	205	E B		
			S5	4-6	TH	205	E B		
73257		LECT-DISC	S6	2	TU	209	E B		
			S6	4-6	TH	209	E B		
73265		LECT-DISC	S7	2	TU	259	E B		
			S7	4-6	TH	259	E B		
73273		LECT-DISC	T1	3-5	TU	109	N L		
			T1	3	TH	109	N L		
73281		LECT-DISC	T2	3-5	TU	325	D K H		
			T2	3	TH	325	D K H		
73290		LECT-DISC	T3	3-5	TU	242	ARMORY		
			T3	3	TH	242	ARMORY		
73303		LECT-DISC	T4	3-5	TU	117	E B		
			T4	3	TH	117	E B		
73311		LECT-DISC	T5	3-5	TU	205	E B		
			T5	3	TH	205	E B		
73320		LECT-DISC	T6	3-5	TU	209	E B		
			T6	3	TH	209	E B		
73338		LECT-DISC	T7	3-5	TU	259	E B		
			T7	3	TH	259	E B		
73346		LECT-DISC	U1	1-230	TU TH	252	ADMIN		
73354		LECT-DISC	U2	1-230	TU TH	206	D K H		
73362		LECT-DISC	U3	1-230	TU TH	312	N L		
73371		LECT-DISC	U4	1-230	TU TH	108	SURV BLDG		
73389		LECT-DISC	U5	1-230	TU TH	223	E B		
73397		LECT-DISC	W1	2-330	TU TH	310	D K H		
73401		LECT-DISC	Y1	230-4	TU TH	252	ADMIN		
73419		LECT-DISC	Y2	230-4	TU TH	206	D K H		
73427		LECT-DISC	Y3	230-4	TU TH	312	N L		
73435		LECT-DISC	Y4	230-4	TU TH	108	SURV BLDG		
73443		LECT-DISC	Y5	230-4	TU TH	223	E B		

RHET 103 WRITING LABORATORY.
 PREREQUISITE: CONCURRENT REGISTRATION IN RHET. 101 OR 102 OR IN
 VERBAL COMMUNICATION.
 *MAY BE REPEATED FOR A TOTAL OF 2 SEMESTER-HOURS OF CREDIT.
 *1 HOUR
 STUDENTS SHOULD CONTACT THE RHETORIC OFFICE FOR ASSIGNMENT TO A
 TUTOR.
 73451 CONF ARR

RHET 108 FRESHMAN RHETORIC FOR SUPERIOR STUDENTS.									
PREREQUISITE: RHET. 101 OR EXEMPTION FROM RHET. 101, OR RHET. 107.									
*CREDIT IS NOT GIVEN FOR RHET. 108 IN ADDITION TO RHET. 102.									
*4 HOURS									
73460	LECT-DISC	EA1	8	M	W	F	209	E	B
73478	LECT-DISC	EA2	8	M	W	F	303	E	B
73486	LECT-DISC	EA3	8	M	W	F	108	SURV	BLDG
73494	LECT-DISC	EB1	9	M	W	F	304	G	H
73508	LECT-DISC	EB2	9	M	W	F	303	E	B
73516	LECT-DISC	EC1	10	M	W	F	204	N	L
73524	LECT-DISC	EC2	10	M	W	F	31	PSYCH	BLDG
73532	LECT-DISC	ED1	11	M	W	F	252	E	B
73541	LECT-DISC	ED2	11	M	W	F	204	N	L
73559	LECT-DISC	EX1	12	M	W	F	149	ADMIN	
73567	LECT-DISC	EX2	12	M	W	F	309	E	B
73575	LECT-DISC	EX3	12	M	W	F	152	ADMIN	
73583	LECT-DISC	EE1	1	M	W	F	210B	E	B
73591	LECT-DISC	EE2	1	M	W	F	204	N	L
73605	LECT-DISC	EF1	2	M	W	F	204	N	L
73613	LECT-DISC	EF2	2	M	W	F	133	ARMORY	
73621	LECT-DISC	EG1	3	M	W	F	312	N	L
73630	LECT-DISC	EG2	3	M	W	F	303	E	B
73648	LECT-DISC	EH1	4	M	W	F	210A	E	B
73656	LECT-DISC	EH2	4	M	W	F	303	E	B
73664	LECT-DISC	EJ1	9-1030	TU	TH		303	E	B
73672	LECT-DISC	EJ2	9-1030	TU	TH		105	H	H
73681	LECT-DISC	EK1	1030-12	TU	TH		303	E	B
73699	LECT-DISC	EK2	1030-12	TU	TH		105	H	H
73702	LECT-DISC	EL1	11-1230	TU	TH		209	E	B
73711	LECT-DISC	EL2	11-1230	TU	TH		201	E	B
73729	LECT-DISC	EL3	1-230	TU	TH		105	H	H
73737	LECT-DISC	EL4	230-4	TU	TH		201	E	B
73745	LECT-DISC	EL5	3-430	TU	TH		303	E	B
73753	LECT-DISC	EL6	3-430	TU	TH		105	H	H

RHET 133 PRINCIPLES OF COMPOSITION.									
PREREQUISITE: RHET. 102 OR EQUIVALENT.									
*CREDIT IS NOT GIVEN FOR RHET. 133 IN ADDITION TO RHET. 143.									
*3 HOURS									
73761	LECT-DISC	A	8	M	W	F	210A	E	B
73770	LECT-DISC	B	9	M	W	F	119	E	B
73788	LECT-DISC	C	10	M	W	F	137	ADMIN	
73796	LECT-DISC	D	11	M	W	F	221	G	H
73800	LECT-DISC	X	12	M	W	F	210B	E	B
73818	LECT-DISC	E	1	M	W	F	331	G	H
73826	LECT-DISC	F	2	M	W	F	307	E	B
73834	LECT-DISC	G	3	M	W	F	119	E	B
73842	LECT-DISC	H	4	M	W	F	137	ADMIN	

RHET 143 INTERMEDIATE EXPOSITORY WRITING.									
PREREQUISITE: A GRADE OF A OR B IN RHET. 102 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.									
*CREDIT IS NOT GIVEN FOR RHET. 143 IN ADDITION TO RHET. 133.									
*3 HOURS									
73851	LECT-DISC	A	8	M	W	F	210B	E	B
73869	LECT-DISC	B	9	M	W	F	210B	E	B
73877	LECT-DISC	C	10	M	W	F	29	PSYCH	BLDG
73885	LECT-DISC	D	11	M	W	F	250	ARMORY	
73893	LECT-DISC	X	12	M	W	F	210A	E	B
73907	LECT-DISC	E	1	M	W	F	309	E	B
73915	LECT-DISC	F	2	M	W	F	194	L	H
73923	LECT-DISC	L	9-11	TU			223	E	B
		L	9	TH			223	E	B

RHET 144 NARRATIVE WRITING.									
PREREQUISITE: RHET. 102 OR EQUIVALENT, SOPHOMORE STANDING.									
3 HOURS									
73931	LECT-DISC	B	9	M	W	F	210A	E	B
73940	LECT-DISC	C	10	M	W	F	194	L	H
73958	LECT-DISC	X	12	M	W	F	194	L	H
73966	LECT-DISC	E	1	M	W	F	194	L	H
73974	LECT-DISC	F	2	M	W	F	210A	E	B
73982	LECT-DISC	G	3	M	W	F	210A	E	B
73991	LECT-DISC	P	1	TU	TH		210A	E	B
		P	2	TU			210A	E	B
74007	LECT-DISC	R	3	TU			210A	E	B
		R	4	TU	TH		210A	E	B

RHET 145 POETRY WRITING.
 PREREQUISITE: RHET. 102 OR CONSENT OF INSTRUCTOR.
 3 HOURS
 74015 LECT-DISC R 3 TU TH 119 E B LIEBERMAN
 R 2 TH 119 E B

COURSES FOR ADVANCED UNDERGRADUATES

RHET 202 COMMUNICATIONS WORKSHOP.
 3 HOURS
 74023 LECT-DISC C 10 M W F 312 D K H DAVIS

RHET 205 ADVANCED NARRATIVE WRITING, I.
 PREREQUISITE: RHET. 144 OR EQUIVALENT.
 3 HOURS
 74031 LECT-DISC C 10 M W F 210A E B QUINN
 74040 LECT-DISC E 1 M W F 210A E B CURLEY
 74058 LECT-DISC R 3 TU 142 ADMIN COSTELLO
 R 4 TU TH 142 ADMIN

RHET 206 ADVANCED NARRATIVE WRITING, II.
 PREREQUISITE: RHET. 205.
 3 HOURS
 74066 LECT-DISC D 11 M W F 210A E B SCOUFFAS

RHET 227 ADVANCED EXPOSITORY WRITING.
 PREREQUISITE: RHET. 133 OR 143, OR CONSENT OF INSTRUCTOR.
 3 HOURS
 74074 LECT-DISC D 11 M W F 194 L H TILLMAN

RHET 255 CREATIVE WRITING.
 STUDENTS MUST SEE THE INSTRUCTOR DURING THE FIRST WEEK OF CLASSES
 TO ARRANGE A CONFERENCE SCHEDULE.
 PREREQUISITE: A PREPARATORY COURSE IN ADVANCED WRITING (RHET. 205,
 206, 227 OR 330; OR SPCH. 263 OR 363); OR CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE FOUR HOURS.
 *2 HOURS
 INSTRUCTORS: COSTELLO, CURLEY, FRIEDMAN, FUMENTO, LIEBERMAN,
 HARDER, SCOUFFAS, TIBBETTS, TILLMAN.
 SECTION Y TOPIC: BIBLIOGRAPHY.
 74082 CONF ARR STAFF
 74091 CONF Y ARR DAVIS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RHET 330 THE WRITING OF POETRY.
 PREREQUISITE: RHET. 145, JUNIOR STANDING, AND SIX HOURS OF ENGLISH
 LITERATURE, OR CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE SIX HOURS.
 *3 HOURS OR 3/4 UNIT
 74104 LECT-DISC P 1 TU TH 307 E B LIEBERMAN
 P 2 TU 307 E B

RHET 388 LINGUISTICS IN LANGUAGE LEARNING, I.
 SAME AS LING. 388.
 PREREQUISITE: TWO YEARS OF FOREIGN LANGUAGE OR EQUIVALENT, CONSENT
 OF INSTRUCTOR.
 4 HOURS OR 3/4 UNIT
 74112 LECT-DISC H 4 M W F 205 E B

RHET 389 LINGUISTICS IN LANGUAGE LEARNING, II.
 SAME AS LING. 389.
 PREREQUISITE: RHET./LING. 388 AND CONSENT OF INSTRUCTOR.
 4 HOURS OR 3/4 UNIT
 74121 LECT-DISC X 12 M W F 303 E B

COURSES FOR GRADUATES

RHET 419 CONTRASTIVE ANALYSIS.
 SAME AS LING. 419.
 PREREQUISITE: LING. 300 OR CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 74139 LECT-DISC D 11 M W F 303 E B

ENGLISH AS A SECOND LANGUAGE

DEPARTMENT OFFICE

317 E B

NOTE: NO STUDENT, WITH THE EXCEPTION OF THOSE WHO RECEIVED A SCORE OF 90 OR ABOVE ON THE OVERSEAS TEST, IS PERMITTED TO REGISTER FOR ANY COURSE IN REMEDIAL RHETORIC (109, 110, AND 111) OR SERVICE RHETORIC (114, 115, 400, AND 401) IN ENGLISH AS A SECOND LANGUAGE UNTIL HE HAS TAKEN THE PLACEMENT TEST IN ENGLISH AS A SECOND LANGUAGE. AUDITORS ARE NOT PERMITTED. RHETORIC 114 AND 115 FULFILL GRADUATION REQUIREMENTS IN RHETORIC. STUDENTS MAY BE REQUIRED TO TAKE REMEDIAL COURSES BEFORE THEY ARE PERMITTED TO TAKE RHET. 114. ADVISERS SHOULD CONSULT THE UNDERGRADUATE STUDY BULLETIN UNDER THE SECTION ENTITLED "GENERAL REQUIREMENTS FOR GRADUATION (ENGLISH)" FOR THE DEFINITION OF A FOREIGN STUDENT.

COURSES FOR UNDERGRADUATES

RHET 109 ENGLISH AS A SECOND LANGUAGE.
 PREREQUISITE: READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS. RECOMMENDATION FROM ILLINOIS PLACEMENT TEST.
 0 CREDIT

74147 LECT-DISC B 9-11 M W F 307 E B
 74155 LECT-DISC M 9-11 TU TH S 307 E B

RHET 110 ENGLISH AS A SECOND LANGUAGE.
 PREREQUISITE: READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS. RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
 0 CREDIT

*SECTION ARR IS A SPECIAL SECTION IN ADVANCED COMMUNICATION.

74163 LECT-DISC A 8 M W F 307 E B
 74171 LECT-DISC C 10 M W F 303 E B
 74180 LECT-DISC D 11 M W F 307 E B
 74198 LECT-DISC F 2 M W F 303 E B
 74201 LECT-DISC L 8 TU TH S 307 E B
 74210 LECT-DISC *ARR ARR

RHET 111 ENGLISH AS A SECOND LANGUAGE.
 PREREQUISITE: RHET. 109, RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
 0 CREDIT

74228 LECT-DISC A 8-10 M W F 309 E B
 74236 LECT-DISC B 9-11 M W F 252 E B
 74244 LECT-DISC C 10-12 M W F 309 E B
 74252 LECT-DISC E 1-3 M W F 252 E B
 74261 LECT-DISC G 3-5 M W F 252 E B
 74279 LECT-DISC M 9-11 TU TH S 309 E B

RHET 114 COMPOSITION FOR UNDERGRADUATE FOREIGN STUDENTS.
 PREREQUISITE: RHET. 111, RECOMMENDATION FROM OVERSEAS TEST OR ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
 *FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT.
 *AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO CREDIT.

*0 OR 3 HOURS
 74287 LECT-DISC C 10 M W F 119 E B
 74295 LECT-DISC E 1 M W F 119 E B

RHET 115 COMPOSITION FOR UNDERGRADUATE FOREIGN STUDENTS.
 PREREQUISITE: RHET. 114 AND/OR RECOMMENDATION FROM OVERSEAS TEST OR
 ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
 *FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT.
 *AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO
 CREDIT.
 *0 OR 3 HOURS
 74309 LECT-DISC D 11 M W F 119 E B
 74317 LECT-DISC F 2 M W F 119 E B

COURSES FOR ADVANCED UNDERGRADUATES

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RHET 379 AMERICAN LANGUAGE AND LITERATURE.
 THIS COURSE IS OPEN TO ANY FOREIGN STUDENT WHO HAS COMPLETED
 RHET. 109, 110, AND 111 OR WHO WAS NOT REQUIRED TO TAKE THOSE
 COURSES.
 0 CREDIT
 87026 LECT-DISC H 4 M W F 119 E B

RHET 388 LINGUISTICS IN LANGUAGE LEARNING, I.
 SAME AS LING. 388.
 PREREQUISITE: TWO YEARS OF FOREIGN LANGUAGE OR EQUIVALENT, CONSENT
 OF INSTRUCTOR.
 4 HOURS OR 3/4 UNIT
 74325 LECT-DISC H 4 M W F 205 E B

RHET 389 LINGUISTICS IN LANGUAGE LEARNING, II.
 SAME AS LING. 389.
 PREREQUISITE: RHET./LING. 388 AND CONSENT OF INSTRUCTOR.
 4 HOURS OR 3/4 UNIT
 74333 LECT-DISC X 12 M W F 303 E B

COURSES FOR GRADUATES

RHET 400 VERBAL COMMUNICATION IN ENGLISH AS A SECOND LANGUAGE FOR
 GRADUATE FOREIGN STUDENTS, I.
 PREREQUISITE: GRADUATE STANDING AND RHET. 111, OR CONSENT OF
 INSTRUCTOR.
 3 HOURS
 74341 LECT-DISC ARR

RHET 401 VERBAL COMMUNICATION IN ENGLISH AS A SECOND LANGUAGE FOR
 GRADUATE FOREIGN STUDENTS, II.
 PREREQUISITE: GRADUATE STANDING AND RHET. 400, OR CONSENT OF
 INSTRUCTOR.
 3 HOURS
 74350 LECT-DISC ARR

RHET 419 CONTRASTIVE ANALYSIS.
 SAME AS LING. 419.
 PREREQUISITE: LING. 300 OR CONSENT OF INSTRUCTOR.
 1/2 OR 1 UNIT
 74368 LECT-DISC D 11 M W F 303 E B

BUSINESS AND TECHNICAL WRITING

DEPARTMENT OFFICE

313 D K H

RHET 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 74376 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

RHET 251 BUSINESS WRITING.
 PREREQUISITE: RHET. 101 AND 102, OR EQUIVALENT.
 3 HOURS

74384	LECT-DISC	A1	8	M W F	326	D K H	STAFF
74392	LECT-DISC	A2	8	M W F	306	D K H	HARRIS
74406	LECT-DISC	B1	9	M W F	306	D K H	STAFF
74414	LECT-DISC	B2	9	M W F	326	D K H	CHAPDU
74422	LECT-DISC	C1	10	M W F	306	D K H	DOUGLAS
74431	LECT-DISC	C2	10	M W F	113	D K H	GIESELMAN
74449	LECT-DISC	C3	10	M W F	218	CER	CHAPDU
74457	LECT-DISC	D1	11	M W F	306	D K H	DOUGLAS
74465	LECT-DISC	D2	11	M W F	326	D K H	GIESELMAN
74473	LECT-DISC	D3	11	M W F	305	D K H	HOLT
74481	LECT-DISC	E1	1	M W F	306	D K H	SLOTTOW
74490	LECT-DISC	E2	1	M W F	326	D K H	CALLANAN
74503	LECT-DISC	F1	2	M W F	306	D K H	SLOTTOW
74511	LECT-DISC	F2	2	M W F	326	D K H	CALLANAN
74520	LECT-DISC	F3	2	M	113	D K H	GIESELMAN
		F3	2-4	W	113	D K H	GIESELMAN
74538	LECT-DISC	F4	2	M W F	330	ARMORY	HOLT
74546	LECT-DISC	G	3	M W F	326	D K H	CALLANAN
74554	LECT-DISC	N1	10	TU	310	D K H	SLOTTOW
		N1	10-12	TH	310	D K H	SLOTTOW
74562	LECT-DISC	N2	10	TU	306	D K H	HARRIS
		N2	10-12	TH	306	D K H	HARRIS

RHET 271 SALES WRITING.
 SAME AS ADV. 288.
 PREREQUISITE: RHET. 102 OR EQUIVALENT.
 2 HOURS

74571	LECT-DISC	C	10	M W	326	D K H	MAGUIRE
74589	LECT-DISC	M	9	TU TH	326	D K H	MAGUIRE
74597	LECT-DISC	P	11	TU TH	326	D K H	MAGUIRE

RHET 272 REPORT WRITING.
 PREREQUISITE: RHET. 102 OR EQUIVALENT.
 2 HOURS
 *STUDENTS CALL AT 313 D. K. H. DURING FIRST WEEK OF CLASSES TO
 ARRANGE CONFERENCE SCHEDULE.
 74601 CONF Y *ARR WEEKS

RUSSIAN

SLAVIC LANGUAGES AND LITERATURES
 DEPARTMENT OFFICE 260 L H

MAJOR: TWENTY-FOUR HOURS OF COURSE WORK BEYOND RUSSIAN 115,
 AT LEAST NINE HOURS OF WHICH MUST BE IN COURSES AT THE 300-LEVEL.
 MAJORS ARE REQUIRED TO TAKE A MINIMUM OF THREE LITERATURE COURSES
 WHICH ARE TAUGHT IN RUSSIAN AND ONE SURVEY COURSE TAUGHT IN
 ENGLISH.

MINOR: TWENTY HOURS IN NOT MORE THAN TWO SUBJECTS FROM THE FOLLOW-
 ING LIST, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT IF TWO ARE
 CHOSEN: ARABIC, EDUCATION, CHINESE, ENGLISH (EXCLUDING RHETORIC
 101-102), FRENCH, GERMAN, GREEK, HINDI, HISTORY, ITALIAN,
 JAPANESE, LATIN, LIBRARY SCIENCE, LINGUISTICS, PHILOSOPHY,
 POLITICAL SCIENCE, PORTUGUESE, SPANISH, OR ANY MINOR SLAVIC
 LANGUAGE. THE FIRST SEMESTER OF COURSE WORK IN ANY FOREIGN
 LANGUAGE MAY NOT BE COUNTED TOWARD A MINOR IN THAT SUBJECT. THE
 CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES COMPRISING COURSES
 OUTSIDE THE SLAVIC DEPARTMENT MAY BE ACCEPTED AS A SOLE MINOR.

COURSES FOR UNDERGRADUATES

RUSS 101 FIRST-YEAR RUSSIAN, I.

FOR STUDENTS WHO HAVE NO CREDIT IN RUSSIAN.

*NO CREDIT TOWARD GRADUATION IS GIVEN FOR RUSS. 101 WITHOUT RUSS. 102.

*4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS, T3-T26 EXCEPT SECTION X, IN WHICH LANGUAGE LABORATORY IS OPTIONAL.

74619	LECT-DISC	B	9	MTUWTH	120	COM W	STAFF
74856	LECT-DISC	X	12	MTUWTHF	120	COM W	STAFF
74627	LECT-DISC	F	2	MTUWTH	120	COM W	STAFF
74635	LAB	T 3	8-830	TU TH	210	L H	
74643	LAB	T 4	830-9	TU TH	210	L H	
74651	LAB	T 5	9-930	TU TH	210	L H	
74660	LAB	T 6	930-10	TU TH	210	L H	
74678	LAB	T 7	10-1030	TU TH	210	L H	
74686	LAB	T 8	1030-11	TU TH	210	L H	
74694	LAB	T 9	11-1130	TU TH	210	L H	
74708	LAB	T10	1130-12	TU TH	210	L H	
74716	LAB	T11	12-1230	TU TH	210	L H	
74724	LAB	T12	1230-1	TU TH	210	L H	
74732	LAB	T13	1-130	TU TH	210	L H	
74741	LAB	T14	130-2	TU TH	210	L H	
74759	LAB	T15	2-230	TU TH	210	L H	
74767	LAB	T16	230-3	TU TH	210	L H	
74775	LAB	T17	3-330	TU TH	210	L H	
74783	LAB	T18	330-4	TU TH	210	L H	
74791	LAB	T19	4-430	TU TH	210	L H	
74805	LAB	T20	430-5	TU TH	210	L H	
74813	LAB	T21	5-530	TU TH	210	L H	
74821	LAB	T22	530-6	TU TH	210	L H	
74830	LAB	T25	7-730PM	TU TH	210	L H	
74848	LAB	T26	730-8PM	TU TH	210	L H	

RUSS 102 FIRST-YEAR RUSSIAN, II.

PREREQUISITE: RUSS. 101.

4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS, T3-T26 EXCEPT SECTIONS B, F AND X IN WHICH LANGUAGE LABORATORY IS OPTIONAL.

74864	LECT-DISC	A	8	MTUWTH	429	ARMORY	STAFF
75134	LECT-DISC	B	9	MTUWTHF	429	ARMORY	
74872	LECT-DISC	C	10	MTUWTH	429	ARMORY	
74881	LECT-DISC	D	11	MTUWTH	429	ARMORY	
74899	LECT-DISC	E	1	MTUWTH	429	ARMORY	
75142	LECT-DISC	F	2	MTUWTHF	392	L H	
74902	LECT-DISC	G	3	MTUWTH	429	ARMORY	
75151	LECT-DISC	X	12	MTUWTHF	429	ARMORY	
74911	LAB	T 3	8-830	TU TH	210	L H	
74929	LAB	T 4	830-9	TU TH	210	L H	
74937	LAB	T 5	9-930	TU TH	210	L H	
74945	LAB	T 6	930-10	TU TH	210	L H	
74953	LAB	T 7	10-1030	TU TH	210	L H	
74961	LAB	T 8	1030-11	TU TH	210	L H	
74970	LAB	T 9	11-1130	TU TH	210	L H	
74988	LAB	T10	1130-12	TU TH	210	L H	
74996	LAB	T11	12-1230	TU TH	210	L H	
75002	LAB	T12	1230-1	TU TH	210	L H	
75011	LAB	T13	1-130	TU TH	210	L H	
75029	LAB	T14	130-2	TU TH	210	L H	
75037	LAB	T15	2-230	TU TH	210	L H	
75045	LAB	T16	230-3	TU TH	210	L H	
75053	LAB	T17	3-330	TU TH	210	L H	
75061	LAB	T18	330-4	TU TH	210	L H	
75070	LAB	T19	4-430	TU TH	210	L H	
75088	LAB	T20	430-5	TU TH	210	L H	
75096	LAB	T21	5-530	TU TH	210	L H	
75100	LAB	T22	530-6	TU TH	210	L H	
75118	LAB	T25	7-730PM	TU TH	210	L H	
75126	LAB	T26	730-8PM	TU TH	210	L H	

RUSS 103 SECOND-YEAR RUSSIAN, I.
 PREREQUISITE: RUSS. 102 OR EQUIVALENT.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE
 LABORATORY SECTIONS, T3-T26 EXCEPT SECTIONS A AND E IN WHICH
 LANGUAGE LABORATORY IS OPTIONAL.

75398	LECT-DISC	A	8	MTUWTHF	120	COM W
75169	LECT-DISC	D	11	MTUWTH	120	COM W
75401	LECT-DISC	E	1	MTUWTHF	120	COM W
75177	LAB	T 3	8-830	TU TH	210	L H
75185	LAB	T 4	830-9	TU TH	210	L H
75193	LAB	T 5	9-930	TU TH	210	L H
75207	LAB	T 6	930-10	TU TH	210	L H
75215	LAB	T 7	10-1030	TU TH	210	L H
75223	LAB	T 8	1030-11	TU TH	210	L H
75231	LAB	T 9	11-1130	TU TH	210	L H
75240	LAB	T10	1130-12	TU TH	210	L H
75258	LAB	T11	12-1230	TU TH	210	L H
75266	LAB	T12	1230-1	TU TH	210	L H
75274	LAB	T13	1-130	TU TH	210	L H
75282	LAB	T14	130-2	TU TH	210	L H
75291	LAB	T15	2-230	TU TH	210	L H
75304	LAB	T16	230-3	TU TH	210	L H
75312	LAB	T17	3-330	TU TH	210	L H
75321	LAB	T18	330-4	TU TH	210	L H
75339	LAB	T19	4-430	TU TH	210	L H
75347	LAB	T20	430-5	TU TH	210	L H
75355	LAB	T21	5-530	TU TH	210	L H
75363	LAB	T22	530-6	TU TH	210	L H
75371	LAB	T25	7-730PM	TU TH	210	L H
75380	LAB	T26	730-BPM	TU TH	210	L H

RUSS 104 SECOND-YEAR RUSSIAN, II.
 PREREQUISITE: RUSS. 103.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE
 LABORATORY SECTIONS, T3-T26 EXCEPT C AND E IN WHICH LANGUAGE
 LABORATORY IS OPTIONAL.

75410	LECT-DISC	B	9	MTUWTH	305	G H	STAFF
75657	LECT-DISC	C	10	MTUWTHF	305	G H	
75665	LECT-DISC	E	1	MTUWTHF	305	G H	
75428	LECT-DISC	F	2	MTUWTH	305	G H	
75436	LAB	T 3	8-830	TU TH	210	L H	
75444	LAB	T 4	830-9	TU TH	210	L H	
75452	LAB	T 5	9-930	TU TH	210	L H	
75461	LAB	T 6	930-10	TU TH	210	L H	
75479	LAB	T 7	10-1030	TU TH	210	L H	
75487	LAB	T 8	1030-11	TU TH	210	L H	
75495	LAB	T 9	11-1130	TU TH	210	L H	
75509	LAB	T10	1130-12	TU TH	210	L H	
75517	LAB	T11	12-1230	TU TH	210	L H	
75525	LAB	T12	1230-1	TU TH	210	L H	
75533	LAB	T13	1-130	TU TH	210	L H	
75541	LAB	T14	130-2	TU TH	210	L H	
75550	LAB	T15	2-230	TU TH	210	L H	
75568	LAB	T16	230-3	TU TH	210	L H	
75576	LAB	T17	3-330	TU TH	210	L H	
75584	LAB	T18	330-4	TU TH	210	L H	
75592	LAB	T19	4-430	TU TH	210	L H	
75606	LAB	T20	430-5	TU TH	210	L H	
75614	LAB	T21	5-530	TU TH	210	L H	
75622	LAB	T22	530-6	TU TH	210	L H	
75631	LAB	T25	7-730PM	TU TH	210	L H	
75649	LAB	T26	730-BPM	TU TH	210	L H	

RUSS 111 INTENSIVE FIRST-YEAR RUSSIAN.
 FOR STUDENTS WHO HAVE NO CREDIT IN RUSSIAN. ALL STUDENTS IN THIS
 COURSE ARE REQUIRED TO REGISTER FOR TWO HOURS OF WORK WEEKLY IN
 THE LANGUAGE LABORATORY.
 8 HOURS

75673	LECT-DISC	CE	10	MTUWTHF	120	COM W	STAFF
		CE	1	M W F	9	G H	

RUSS 112 INTENSIVE SECOND-YEAR RUSSIAN.
 ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR
 TWO HOURS OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
 PREREQUISITE: RUSS. 111 OR 102.
 8 HOURS

75681	LECT-DISC	BX	9	MTUWTHF	9	G H	STAFF
		BX	12	M W F	9	G H	

RUSS 116 RUSSIAN LITERATURE IN TRANSLATION, II.
3 HOURS
75690 LECT-DISC D 11 M W F 392 L H BROSTROM

RUSS 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
*SECTION 1 TOPIC: RUSSIAN LITERATURE, 3 HOURS.
*SECTION 3 TOPIC: RUSSIAN LANGUAGE, 3 HOURS.
75703 CONF *A ARR CURRAN
75711 CONF *B ARR HILL

COURSES FOR ADVANCED UNDERGRADUATES

RUSS 211 ORAL RUSSIAN, I.
PREREQUISITE: RUSS. 103 AND 104 OR CONSENT OF INSTRUCTOR.
2 HOURS
75720 LECT-DISC E 1 TU TH 9 G H M. ZALUCKY

RUSS 212 ORAL RUSSIAN, II.
PREREQUISITE: RUSS. 211 OR CONSENT OF INSTRUCTOR.
2 HOURS
75738 LECT-DISC E 1 M W 270 L H M. ZALUCKY
75746 LECT-DISC F 2 M W 9 G H M. ZALUCKY

RUSS 213 RUSSIAN COMPOSITION, I.
PREREQUISITE: RUSS. 104 OR CONSENT OF INSTRUCTOR.
2 HOURS
75754 LECT-DISC X 12 TU TH 9 G H H. ZALUCKY

RUSS 214 RUSSIAN COMPOSITION, II.
PREREQUISITE: RUSS. 213 OR CONSENT OF INSTRUCTOR.
2 HOURS
75752 LECT-DISC C 10 M W 9 G H H. ZALUCKY
75771 LECT-DISC F 2 TU TH 9 G H H. ZALUCKY

RUSS 215 INTRODUCTION TO RUSSIAN LITERATURE, I.
PREREQUISITE: RUSS. 104 OR CONSENT OF INSTRUCTOR.
3 HOURS
75789 LECT-DISC E 1 M W F 392 L H G. MILLAR

RUSS 216 INTRODUCTION TO RUSSIAN LITERATURE, II.
PREREQUISITE: RUSS. 215 OR CONSENT OF INSTRUCTOR.
3 HOURS
75797 LECT-DISC D 11 M W F 305 G H COHEN
75801 LECT-DISC F 2 M W F 429 ARMORY BROSTROM

RUSS 292 SENIOR THESIS AND HONORS.
2 HOURS
75819 CONF ARR KLEIN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RUSS 303 ADVANCED READING AND CONVERSATION, I.
PREREQUISITE: THREE YEARS OF COLLEGE-LEVEL RUSSIAN.
2 HOURS OR 1/2 UNIT
75827 LECT-DISC D 11 M W 9 G H M. ZALUCKY

RUSS 304 ADVANCED READING AND CONVERSATION, II.
PREREQUISITE: RUSS. 303 OR EQUIVALENT.
2 HOURS OR 1/2 UNIT
75835 LECT-DISC D 11 TU TH 9 G H M. ZALUCKY

RUSS 308 RUSSIAN PHONETICS AND PRONUNCIATION.
PREREQUISITE: RUSS. 212, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT
75843 LECT-DISC C 10 M W F 216 L H KLEIN

RUSS	324	RUSSIAN LITERATURE FROM 1880 TO 1917.								
		PREREQUISITE: RUSS. 216 OR CONSENT OF INSTRUCTOR.								
		3 HOURS OR 3/4 UNIT								
	75851	LECT-DISC E	1	M	W	F	261	L	H	CURRAN
RUSS	325	SOVIET RUSSIAN LITERATURE.								
		PREREQUISITE: RUSS. 216 OR CONSENT OF INSTRUCTOR.								
		3 HOURS OR 3/4 UNIT								
	75860	LECT-DISC F	2	M	W	F	261	L	H	COHEN
RUSS	326	MASTERPIECES OF RUSSIAN LITERATURE.								
		PREREQUISITE: RUSS. 216 OR CONSENT OF INSTRUCTOR.								
		3 HOURS OR 3/4 UNIT								
	75878	LECT-DISC X	12	M	W	F	261	L	H	G. MILLAR

COURSES FOR GRADUATES

RUSS	400	BEGINNING RUSSIAN FOR GRADUATE STUDENTS.								
		4 HOURS								
	75886	LECT-DISC H	4	MTUWTH			9	G	H	WOODRUFF
RUSS	401	READINGS IN RUSSIAN FOR GRADUATE STUDENTS.								
		PREREQUISITE: RUSS. 400 OR EQUIVALENT.								
		4 HOURS								
	75894	LECT-DISC A	8	MTUWTH			9	G	H	SUTTER
RUSS	408	RUSSIAN PHONOLOGY.								
		SAME AS LING. 408.								
		PREREQUISITE: CONSENT OF INSTRUCTOR.								
		1 UNIT								
	75908	LECT-DISC AB	820-935	TU TH			261	L	H	M. KENSTOWICZ
RUSS	410	OLD RUSSIAN LITERATURE.								
		PREREQUISITE: SLAV. 405.								
		1 UNIT								
	75916	LECT-DISC B	9	M	W	F	261	L	H	HILL
RUSS	412	LITERATURE OF THE EIGHTEENTH CENTURY.								
		1 UNIT								
	75924	LECT-DISC EF	140-255	TU TH			261	L	H	CURRAN
RUSS	415	DOSTOEVSKY.								
		PREREQUISITE: CONSENT OF INSTRUCTOR OR DEPARTMENT HEAD.								
		1 UNIT								
	75932	LECT-DISC DX	1220-135	TU TH			261	L	H	PACHMUSS
RUSS	423	SEMINAR IN RUSSIAN POETRY.								
		PREREQUISITE: RUSS. 337 OR CONSENT OF DEPARTMENT.								
		* MAY BE REPEATED NOT TO EXCEED 3 UNITS OF CREDIT.								
		*1 UNIT								
	75941	LECT-DISC GH	3-415	M	W		261	L	H	BRISTOL
RUSS	424	GOGOL.								
		PREREQUISITE: CONSENT OF INSTRUCTOR, OR HEAD OF DEPARTMENT.								
		1 UNIT								
	75959	LECT-DISC BC	940-1055	TU TH			261	L	H	PACHMUSS
RUSS	425	SEMINAR IN RUSSIAN DRAMA.								
		PREREQUISITE: RUSS. 335 OR CONSENT OF DEPARTMENT.								
		1 UNIT								
	75967	LECT-DISC F	2	M	W	F	6	COM	W	HILL

RUSSIAN AND EAST EUROPEAN CENTER

DEPARTMENT OFFICE

1207 W OREGON

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

MAJOR: STUDENTS WHO ELECT RUSSIAN LANGUAGE AND AREA STUDIES AS A MAJOR MUST:

1-COMplete THE PRESCRIBED AND GENERAL EDUCATION SEQUENCES REQUIRED IN THE SCIENCES AND LETTERS CURRICULUM.

2-COMplete AT LEAST TWENTY SEMESTER HOURS OF RUSSIAN LANGUAGE COURSES, IN ADDITION TO RUSS. 101-102, OR DEMONSTRATE EQUIVALENT PROFICIENCY.

3-COMplete A MAJOR CONSISTING OF AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST FOUR DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE PROGRAM OF RUSSIAN LANGUAGE AND AREA STUDIES MAY NOT COUNT AS PART OF THIS TWENTY HOURS.

ANTH. 381, 382	POL. S. 335, 383
ECON. 357	RUSS. 115, 116, 317, 321, 322,
GEOG. 353	323, 324, 325, 332, 333, 335
HIST. 219, 320, 321,	SOC. 350
325, 326, 327, 328	UKR. 396, 398

4-COMplete A MINOR OF TWENTY HOURS, EXCLUDING COURSES OPEN TO FRESHMEN, IN ONE OR TWO DEPARTMENTS. IF TWO ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH. COURSES IN THE RUSSIAN LANGUAGE MAY, WITH THE APPROVAL OF THE CENTER DIRECTOR, CONSTITUTE ALL OR PART OF THIS MINOR.

RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR: A MINOR IN RUSSIAN LANGUAGE AND AREA STUDIES, DESIGNED TO ACCOMPANY A MAJOR IN ANY DEPARTMENT, REQUIRES AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST THREE DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. IT ALSO REQUIRES A KNOWLEDGE OF RUSSIAN EQUIVALENT AT LEAST TO THAT NORMALLY ATTAINED AFTER RUSS. 101-102.

ANTH. 381, 382	POL. S. 335, 383
ECON. 357	RUSS. 115, 116, 317, 321, 322,
GEOG. 353	323, 324, 325, 332, 333, 335
HIST. 219, 320, 321,	SOC. 350
325, 326, 327, 328	UKR. 396, 398

GRADUATE MINORS IN RUSSIAN LANGUAGE AND AREA STUDIES

MINOR FOR THE MASTERS DEGREE: A CANDIDATE FOR THE MASTERS DEGREE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST EARN AT LEAST TWO UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN BELOW. THE COURSES CHOSEN MUST BE IN AT LEAST TWO DEPARTMENTS.

ANTH. 381, 382	POL. S. 335, 383, 435, 440
ECON. 357, 457	RUSS. 317, 321, 322, 323,
GEOG. 353, 495	324, 325, 332, 333, 335, 410,
HIST. 320, 321, 325, 326	412, 414, 416, 417, 421,
327, 328, 427	423
LAW 369, 371	SLAV. 405
LIB. S. 433	SOC. 350, 450
	UKR. 396, 398

MINOR FOR THE PH.D. DEGREE: A DOCTORAL CANDIDATE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST DEMONSTRATE A READING COMMAND OF RUSSIAN AS TESTED BY EXAMINATION OR BY COMPLETION OF RUSSIAN 104 OR 401 WITH A GRADE OF A OR B, AND IN ADDITION MUST EARN AT LEAST FOUR UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN JUST ABOVE. THE FOUR UNITS MUST BE DISTRIBUTED AMONG AT LEAST TWO DEPARTMENTS OUTSIDE OF, AND MAY AT THE SAME TIME INCLUDE UP TO ONE UNIT FROM WITHIN, THE DEPARTMENT OFFERING THE CANDIDATE'S MAJOR.

**CERTIFICATE OF GRADUATE SPECIALIZATION IN RUSSIAN LANGUAGE
AND AREA STUDIES**

THIS CERTIFICATE IS AWARDED BY THE GRADUATE COLLEGE AND THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES. IT IS FOR PERSONS WITH THE BACCALAUREATE WHO ARE ENROLLED IN ADVANCED STUDIES IN ANY DISCIPLINE AND WHO WISH AT THE SAME TIME TO GAIN A KNOWLEDGE OF THE RUSSIAN AREA AND LANGUAGE. THE REQUIREMENTS ARE: (1) A GOOD COMMAND OF WRITTEN AND SPOKEN RUSSIAN, AS DETERMINED BY SPECIAL EXAMINATIONS. (2) AT LEAST SIX GRADUATE UNITS RELATING TO RUSSIA, DISTRIBUTED AMONG AT LEAST THREE OF THE DEPARTMENTS REPRESENTED IN THE PROGRAM (ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, LAW, LIBRARY SCIENCE, POLITICAL SCIENCE, RUSSIAN AND SOCIOLOGY) IN ADDITION TO THE STUDENT'S OWN MAJOR DEPARTMENT. FOR COURSES, SEE ABOVE. IF THE STUDENTS MAJOR DEPARTMENT IS ONE OF THESE NINE HE MAY COUNT, AS PART OF HIS SIX UNITS, UP TO ONE UNIT FROM WITHIN HIS MAJOR DEPARTMENT. (3) A SPECIAL ESSAY BASED LARGELY ON RUSSIAN SOURCES AND TO BE, AT THE MINIMUM, OF THE STANDARD NORMALLY REQUIRED IN A MASTERS THESIS. THE STUDENT MAY SUBMIT, IN FULFILLMENT OF THIS REQUIREMENT, A COPY OF HIS MASTERS THESIS OR DOCTORAL DISSERTATION.

THE ADVISER FOR THE GRADUATE MINORS AND THE CERTIFICATE IS PROFESSOR RALPH T. FISHER JR., DIRECTOR OF RUSSIAN AND EAST EUROPEAN CENTER, 1207 WEST OREGON.

STUDENTS IN OTHER COLLEGES

STUDENTS IN OTHER COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO DESIRE A KNOWLEDGE OF THE RUSSIAN AREA ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE DIRECTOR OF RUSSIAN AND EAST EUROPEAN CENTER IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH PROGRAMS MAY IN SOME CASES BE ADOPTED AS A SPECIAL MINOR.

BELOW ARE LISTED COURSES APPROVED FOR THE RUSSIAN LANGUAGE AND AREA STUDIES PROGRAMS. FOR FULL COURSE DESCRIPTIONS OF THOSE BEING OFFERED THIS SEMESTER, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS.

ANTH	381, 382	RUSS	115, 116, 303, 304, 307,
CZECH	383, 384		308, 313, 314, 317, 321,
ECON	357, 457		322, 323, 324, 325, 326,
GEOG	353, 381, 382, 495		332, 333, 335, 337, 406,
HIST	219, 298, 320, 321, 325,		407, 408, 410, 412, 414,
	326, 327, 328, 329, 330,		415, 416, 419, 420, 421,
	404, 421, 427		422, 423, 424, 425
LAW	369, 371	S CR	201, 202, 203, 204
LIB S	433	SLAV	199, 331, 380, 382, 405,
POL S	201, 202, 203, 204		418, 460, 461, 491, 499
	335, 383, 435, 440	SOC	350, 450
RUM	201, 202	UKR	396, 398

SAFETY EDUCATION

DEPARTMENT OFFICE

114 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES

S ED 280 SAFETY EDUCATION.

3 HOURS

*ONE ADDITIONAL HOUR OF LAB PER WEEK TO BE ARRANGED IN 400 H. G.

75975 LECT-DISC B *9 M W F 211 H G

HUFFMAN

S ED 284 DRIVER EDUCATION.
 PREREQUISITE: DRIVERS LICENSE, JUNIOR STANDING.
 3 HOURS
 *TWO ADDITIONAL HOURS PER WEEK TO BE ARRANGED IN 400 H. G.
 75983 LECT-DISC L *8 TU TH 207 H G FLORIO

S ED 289 SAFETY EDUCATION FIELD WORK.
 PREREQUISITE: SENIOR STANDING IN PUBLIC SAFETY EDUCATION.
 0 CREDIT
 75991 LAB-DISC ARR FLORIO

S ED 294 ADVANCED TRAFFIC SAFETY EDUCATION.
 PREREQUISITE: S. ED. 284.
 3 HOURS
 FIELD TRIP AND TWO HOURS LAB PER WEEK TO BE ARRANGED IN 400 H. G.
 76008 LECT-DISC M 9 TU TH 211 H G FLORIO

COURSES FOR GRADUATES

S ED 402 PROBLEMS IN SAFETY EDUCATION.
 1 UNIT
 76016 LECT-DISC H 4-6 M 207A H G FLORIO

SCANDINAVIAN

GERMANIC LANGUAGES AND LITERATURES.
 DEPARTMENT OFFICE 371 L H

COURSES FOR UNDERGRADUATES

SCAN 102 ELEMENTARY SCANDINAVIAN, II.
 PREREQUISITE: SCAN. 101.
 4 HOURS
 76024 LECT-DISC B 9 MTUWTH 432 ARMORY
 76032 LECT-DISC X 12 MTUWTH 201 N L FALCK
 FLACK

SCAN 104 INTERMEDIATE SCANDINAVIAN, II.
 PREREQUISITE: SCAN. 103.
 4 HOURS
 76041 LECT-DISC D 11 MTUWTH 111 G H FALCK

SCAN 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 76059 CONF ARR MITCHELL

COURSES FOR ADVANCED UNDERGRADUATES

SCAN 297 SENIOR THESIS AND HONORS COURSE.
 PREREQUISITE: SENIOR STANDING AND CONSENT OF INSTRUCTOR.
 1 TO 2 HOURS
 76067 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

COURSES FOR GRADUATES

SCAN 406 OLD NORSE-ICELANDIC, II.
 PREREQUISITE: SCAN. 405.
 1 UNIT
 76075 LECT-DISC G 8 M W F 270 L H MARCHAND

SECONDARY AND CONTINUING EDUCATION

DEPARTMENT OFFICE

EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

SE ED 101 INTRODUCTION TO THE TEACHING OF SECONDARY SCHOOL SUBJECTS.

2 HOURS

*SECTION E: SCIENCE

*SECTION P2: ENGLISH

SECTION M1: ENGLISH

SECTION P3: MATH

*SECTION M2: FOREIGN LANGUAGE

*SECTION P4: SOCIAL STUDIES

*SECTION N1: FOREIGN LANGUAGE

*SECTION Q: SOCIAL STUDIES

SECTION N2: SOCIAL STUDIES

*SECTION R1: SCIENCE

*SECTION N3: MUSIC

SECTION R2: ENGLISH

*SECTION P1: FOREIGN LANGUAGE

SECTION S: SEDP STUDENTS

REGISTRATION IN SECTIONS M1, N2, AND R2 ALSO REQUIRES REGISTRATION IN SECTIONS N2, P, AND S OF SECONDARY EDUCATION 240.

76091	LECT-DISC	*E	1-3	F	4G	EDUC	WELLER
76202	LECT-DISC	M1	9	TU TH	150	ARMORY	MAOSEN
76121	LECT-DISC	*M2	9	TU TH	21	O K H	DAIGH
76130	LECT-DISC	*N1	10	TU TH	192	EDUC	KAULFERS
76083	LECT-DISC	N2	10	TU TH	19	O K H	METCALF
76172	LECT-DISC	*N3	10	TU TH	143	ARMORY	ZIMMERMAN
76148	LECT-DISC	*P1	11	TU TH	192	EDUC	KAULFERS
76113	LECT-DISC	*P2	11	TU TH	150	ARMORY	FILLION
76181	LECT-DISC	P3	11	TU TH	19	O K H	PHILLIPS
76156	LECT-DISC	*P4	11	TU TH	166	EDUC	CARTER
76164	LECT-DISC	*Q	12	TU TH	192	EDUC	CARTER
76105	LECT-DISC	*R1	1-3	W	4G	EDUC	WELLER
76211	LECT-DISC	R2	1	TU TH	162	EDUC	MAOSEN
76199	LECT-DISC	S	9-11	TU TH	312	O K H	

SE ED 199 UNDERGRADUATE OPEN SEMINAR.

*MAY BE REPEATED.

*0 TO 9 HOURS

*SECTIONS B AND C ARE FOR COMPUTER ASSISTED INSTRUCTION. 3 HOURS.

76229	CONF	ARR					
76237	LECT-DISC	*B	3-5	TU	150	ARMORY	HICKS
76245	LECT-DISC	*C	3-5	TH	192	EDUC	HICKS

COURSES FOR ADVANCED UNDERGRADUATES

SE ED 240 PRINCIPLES OF SECONDARY EDUCATION.

PREREQUISITE: SE. ED. 101 AND PSYCH. 100.

2 HOURS

*SECTIONS X1, X2, X3, X4 AND X5 ARE PRIMARILY FOR STUDENTS REGISTERED FOR OFF CAMPUS STUDENT TEACHING. THESE SECTIONS WILL NOT MEET DURING THE SIX WEEK STUDENT TEACHING PERIOD.

*SECTION X5 IS RESERVED FOR SCIENCE ED. STUDENT TEACHERS ONLY.

*SECTION XN1 IS RESERVED FOR JAMES SCHOLARS, STUDENTS

WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS, OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF INSTRUCTOR.

*REGISTRATION IN SECTIONS N2, P, AND S ALSO REQUIRES REGISTRATION IN SECTIONS M1, N2, AND R2 OF SECONDARY EDUCATION 101.

*SECTION T IS FOR SEDP STUDENTS.

76253	LECT-DISC	L	9	TU TH	1	EDUC	HENDERSON
76261	LECT-DISC	M	9	TU TH	143	ARMORY	PHILLIPS
76318	LECT-DISC	*XN1	10	TU TH	36	CDM W	HENDERSON
76326	LECT-DISC	*N2	10	TU TH	150	ARMORY	MAOSEN
76334	LECT-DISC	*P	11	TU TH	1	EDUC	METCALF
76342	LECT-DISC	*S	2	TU TH	162	EDUC	WINGLER
76270	LECT-DISC	*X1	12	M W F	1	EDUC	KAULFERS
76288	LECT-DISC	*X2	12	M W F	166	EDUC	FILLION
76296	LECT-DISC	*X3	12	M W F	143	ARMORY	PAYETTE
76300	LECT-DISC	*X4	12	M W F	150	ARMORY	WINGLER
76369	LECT-DISC	*X5	12	M W F	153	ARMORY	GOULD
76351	LECT-DISC	*T	9-11	TU TH	325	O K H	

SE ED 241 TECHNIC OF TEACHING IN THE SECONDARY SCHOOL.
 PREREQUISITE: HP. ED. 201 AND SE. ED. 240 AND CONCURRENT REGISTRATION IN ED. PR. 242, CONSENT OF INSTRUCTOR.
 3 TO 5 HOURS
 REGISTRATION IN BOTH SE. ED. 241 AND ED. PR. 242 MUST BE APPROVED AT THE REGISTRATION PERIOD BY THE PERSON LISTED AS THE INSTRUCTOR FOR SE. ED. 241. SEE EDUCATIONAL PRACTICE.
 *ADDITIONAL HOURS TO BE ARRANGED.

76377	LECT-DISC A PHYSICAL EDUCATION MEN (3 HOURS)	9	MTUWTHF	153	ARMORY	JOHNSON
76385	LECT-DISC D PHYSICAL EDUCATION WOMEN (3 HOURS)	10-12	MTUWTHF	15	O K H	MANCUSO
76393	LECT-DISC F1 SCIENCE (5 HOURS)	8-10	M W F	4G	EDUC	GOULD
76407	LECT-DISC F2 SCIENCE (5 HOURS)	10-12	M W F	4G	EDUC	BROWN
76415	LECT-DISC J1 SOCIAL STUDIES (4 HOURS)	9-11 9	M W F TU TH	33 33	EDUC EDUC	ALLEN
76580	LECT-DISC J2 SOCIAL STUDIES (4 HOURS)	*9-11	M W F	1	EDUC	PAYETTE
76423	LECT-DISC J3 SOCIAL STUDIES (4 HOURS)	9-11 9	M W F TU TH	19 19	O K H O K H	COX
76431	LECT-DISC K ART (3-4 HOURS)	9	MTUWTHF	133	F A B	HARDIMAN
76440	LECT-DISC L1 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	385 385	EDUC EDUC	FILLION
76458	LECT-DISC L2 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	389 389	EDUC EDUC	MARQUARDT
76466	LECT-DISC L3 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	153 153	ARMORY ARMORY	WALKER
76474	LECT-DISC L4 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	21 21	O K H O K H	JACOBS
76482	LECT-DISC L5 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	317A 317A	O K H O K H	HOLMES
76491	LECT-DISC L6 ENGLISH (5 HOURS)	10-12 10	M W F TU TH	6 1	COM W EDUC	HOGAN
76504	LECT-DISC N1 FOREIGN LANGUAGE (4 HOURS)	8	MTUWTHFS	1382	EDUC	DAIGH
76512	LECT-DISC N2 FOREIGN LANGUAGE (4 HOURS)	8	MTUWTHF	33	EDUC	KETTLEKAMP
76521	LECT-DISC N3 FOREIGN LANGUAGE (4 HOURS)	8	MTUWTHF	150	ARMORY	MANDERA
76539	LECT-DISC R HOME ECONOMICS (3 HOURS)	8	MTUWTHF	25	EDUC	SPITZE
76547	LECT-DISC S INDUSTRIAL EDUCATION (3 HOURS)	1	MTUWTHF	25	EDUC	TINKHAM
76555	LECT-DISC T MATHEMATICS (3-4 HOURS)	8-10 8	TUWTH M F	36 36	COM W COM W	TRAVERS
76563	LECT-DISC V MUSIC (3-4 HOURS)	9	MTUWTHF	192	EDUC	ZIMMERMAN
76571	LECT-DISC OO DANCE (3 HOURS)	10 9	M W TU TH S	901 W 901 W	ILLINOIS ILLINOIS	KOE8EL

SE ED 247 TEACHING OF SPEECH.
 SAME AS SPCH. 247.
 PREREQUISITE: SENIOR STANDING, 3.5 GRADE AVERAGE.
 5 HOURS
 76598 LECT-DISC 2-4 MTWTHF 132 L H BURNS

SE ED 249 INDEPENDENT STUDY.
 PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE
 POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES
 THE WORK.
 2 HOURS
 76601 CONF & ARR

SE ED 291 THESIS.
 PREREQUISITE: SENIOR STANDING.
 2 HOURS
 76610 CONF & ARR

SE ED 292 THESIS.
 PREREQUISITE: SENIOR STANDING.
 2 HOURS
 76628 CONF & ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SE ED 338 TEACHING OF READING IN GRADES FOUR THROUGH TWELVE.
 SAME AS EL. ED. 338.
 PREREQUISITE: JUNIOR STANDING AND EL. ED. 336 OR EDPSY. 211.
 3 HOURS, OR 1/2 OR 1 UNIT
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 *ADDITIONAL HOURS TO BE ARRANGED.

76644	LECT-DISC	A1	*8	TU TH	166	EDUC	ERICKSON
	LECT	A1	*8	M	166	EDUC	ERICKSON
76652	LECT-DISC	A2	*8	W F	166	EDUC	ERICKSON
	LECT	A2	*8	M	166	EDUC	ERICKSON
76636	LECT-DISC	F	2-4	M W	36	COM W	KOENKE
	LECT	F	2	F	36	COM W	

SE ED 354 AUDIO-VISUAL COMMUNICATION.
 SAME AS EL. ED. AND LIB. S. 354.
 PREREQUISITE: SENIOR OR GRADUATE STANDING.
 3 HOURS, OR 1/2 OR 1 UNIT
 REQUIRES REGISTRATION IN LECTURE AND EITHER LAB A OR LAB B.

76661	LECT-DISC	4-6	TU	1	EDUC	ISAACS
76679	LAB	A	4-6	W	33	EDUC
76687	LAB	B	4-6	TH	28	EDUC

SE ED 356 THE COMPUTER AND MATHEMATICS EDUCATION.
 PREREQUISITE: C. S. 101, 400, OR CONSENT OF INSTRUCTOR.
 4 HOURS OR 1 UNIT

76695	LECT	1-3	M	21	D K H	TRAVERS
	LAB	1-3	W	21	D K H	TRAVERS

COURSES FOR GRADUATES

SE ED 449 INDEPENDENT STUDY.
 PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE
 DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.
 *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL
 CONSENT OF THE DEAN.
 *1/2 OR 1 UNIT
 SECTION B IS FOR HIGHER EDUCATION.

76709	CONF	ARR	
76717	CONF	B	ARR

ANDERSON

SE ED 456 PROBLEMS AND TRENDS IN SPECIALIZED FIELDS OF
SECONDARY EDUCATION.

1 UNIT

*SECTION A IS FOR ENGLISH COMPOSITION, SECTION C IS FOR
MATHEMATICS, SECTION D IS FOR SCIENCE, AND SECTION E IS FOR SOCIAL
STUDIES.

76725	LECT-DISC	*A	4-6	M	166	EDUC	WALKER
76733	LECT-DISC	*C	430-630	W	36	COM W	HENDERSON
76741	LECT-DISC	*D	4-6	TH	25	EDUC	BURNETT
76750	LECT-DISC	*E	630-830PM	M	33	EDUC	METCALF

SE ED 459 WORKSHOP IN CURRICULUM DEVELOPMENT.

1 TO 2 UNITS

*SECTIONS B AND C ARE FOR COMPUTER-ASSISTED INSTRUCTION.

76768	LECT-DISC	*B	3-5	TU	150	ARMORY	HICKS
76776	LECT-DISC	*C	3-5	TH	192	EDUC	HICKS

SE ED 467 THE AMERICAN COLLEGE.

1 UNIT

76784	LECT-DISC		630-930PM	M	143	ARMORY	FLEY
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SE ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.

OPEN ONLY TO PERSONS WHO HAVE BEEN ADMITTED FOR DOCTORAL STUDY
IN SECONDARY AND CONTINUING EDUCATION.

1 TO 2 UNITS

*SECTION A IS FOR ENGLISH, SECTION B IS FOR FOREIGN LANGUAGE,
SECTION C IS FOR MATHEMATICS, SECTION D IS FOR SCIENCE, SECTION
E IS FOR SOCIAL STUDIES, SECTION F IS FOR GENERAL CURRICULUM, AND
SECTION H IS FOR HIGHER EDUCATION--SELECTED TOPICS IN HIGHER
EDUCATION. SECTION I IS FOR HIGHER EDUCATION--RESEARCH IN
HIGHER EDUCATION.

76792	CONF	*A	ARR				WALKER
76806	CONF	*B	ARR				KETTELKAMP
76814	CONF	*C	ARR				PINGRY
76822	LECT-DISC	*D	4-6	TU	382	EDUC	BURNETT
76831	LECT-DISC	*E	ARR				METCALF
76849	CONF	*F	ARR				METCALF
76857	CONF	*H	ARR				D'BANION
76865	CONF	*I	ARR				WELLNER

SE ED 491 FIELD STUDY AND THESIS SEMINAR.

LIMITED TO ED.D. CANDIDATES.

1 TO 2 UNITS

76873	CONF		ARR				
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SE ED 499 THESIS RESEARCH.

0 TO 4 UNITS

76891	CONF		ARR				
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SERBO-CROATIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR ADVANCED UNDERGRADUATES

S CR 204 SECOND-YEAR SERBO-CROATIAN.

PREREQUISITE: S. CR. 203.

4 HOURS

*ONE HOUR INDIVIDUAL TUTORIAL TO BE ARRANGED.

76890	LECT-DISC	X	*12	M	W	F	305	G H	L MAJHANOVICH
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SLAVIC

SLAVIC LANGUAGES AND LITERATURES DEPARTMENT OFFICE 260 L H

SLAV 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
76903 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SLAV 331 SLAVIC CIVILIZATION AND LITERATURES.
PREREQUISITE: READING KNOWLEDGE OF RUSSIAN OR ONE OTHER SLAVIC
LANGUAGE, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT
76911 LECT-DISC GE 3-415 TU TH 261 L H BRISTOL

COURSES FOR GRADUATES

SLAV 405 OLD CHURCH SLAVONIC.
1 UNIT
76920 LECT-DISC DE 11-1215 TU TH 261 L H DUNATOV

SLAV 491 INDIVIDUAL TOPICS.
PREREQUISITE: GRADUATE STANDING WITH A MAJOR OR MINOR IN RUSSIAN.
1/4 TO 2 UNITS
*SECTION A TOPIC: RUSSIAN LITERATURE.
*SECTION B TOPIC: SLAVIC LINGUISTICS.
*SECTION C TOPIC: RUSSIAN LANGUAGE AND CULTURE.
76938 CONF *A ARR
76946 CONF *B ARR
87034 CONF *C ARR

SLAV 499 THESIS RESEARCH.
0 TO 4 UNITS
76954 CONF ARR

SOCIAL SCIENCES

THE DIVISION OF SOCIAL SCIENCES SPONSORS THE FOLLOWING PROGRAMS:
(1) AN UNDERGRADUATE MINOR IN LATIN AMERICAN STUDIES; (2)
A GRADUATE MINOR IN LATIN AMERICAN STUDIES; (3) AN UNDERGRADUATE
MAJOR AND MINOR IN RUSSIAN AREA STUDIES; (4) A GRADUATE MINOR IN
RUSSIAN AREA STUDIES; (5) A GRADUATE PROGRAM LEADING TO THE DEGREE
OF MASTER OF ARTS IN THE SOCIAL SCIENCES; (6) A GRADUATE PROGRAM
LEADING TO THE DEGREE OF MASTER OF ARTS IN THE TEACHING OF SOCIAL
STUDIES; (7) A GRADUATE MAJOR AND MINOR AND UNDERGRADUATE MINOR IN
LINGUISTICS; (8) AN UNDERGRADUATE MINOR IN ASIAN STUDIES; (9) A
GRADUATE MINOR IN ASIAN STUDIES.

THE DIVISION OF SOCIAL SCIENCES CALLS TO THE ATTENTION OF STUDENTS
THE OFFERINGS IN THE GENERAL FIELD OF INTERNATIONAL AFFAIRS AND OF
NON-WESTERN AREAS FOUND AT THE UNIVERSITY OF ILLINOIS. THE DIVI-
SION RECOMMENDS THAT THE STUDENT INTERESTED IN INTERNATIONAL
AFFAIRS AND NON-WESTERN AREAS CONSULT WITH THE ADVISOR IN HIS MA-
JOR DEPARTMENT OR WITH THE CENTERS FOR ASIAN, LATIN AMERICAN, AND
RUSSIAN LANGUAGE AND AREA STUDIES CONCERNING THE POSSIBILITY OF
TAKING COURSES IN THESE SUBJECTS, EITHER AS PART OF A MINOR OR
SPLIT MINOR, OR AS ELECTIVES.

ENTRANCE EXAMINATIONS FOR THE FOREIGN SERVICE OF THE UNITED STATES.
STUDENTS INTERESTED IN PREPARING FOR THESE EXAMINATIONS ARE URGED
TO CONSULT WITH THE GOVERNMENT PLACEMENT CONSULTANT OF THE
UNIVERSITY PLACEMENT SYSTEM, WHO MAY BE SEEN AT THE INSTITUTE OF
GOVERNMENT AND PUBLIC AFFAIRS, 1201 WEST NEVADA STREET.

COURSES FOR UNDERGRADUATES

SOC S 201 CONTEMPORARY LATIN-AMERICAN PROBLEMS.
 REQUIRED OF ALL MINORS IN LATIN AMERICAN STUDIES.
 PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR. A READING
 KNOWLEDGE OF SPANISH OR PORTUGUESE IS DESIRABLE.
 3 HOURS
 76962 CONF 11 M W F 212 D K H STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOCIAL WORK

DEPARTMENT OFFICE

1207 W OREGON

MINORS: COURSES IN SOCIAL WORK MAY BE COUNTED TOWARD AN
 UNDERGRADUATE MINOR IN THE DEPARTMENTS OF ANTHROPOLOGY, ECONOMICS,
 POLITICAL SCIENCE, PSYCHOLOGY, AND SOCIOLOGY.

SOC W 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 76971 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

SOC W 225 INTRODUCTION TO SOCIAL WELFARE, I.
 PREREQUISITE: SOC. 100 OR 151; AND PSYCH. 100 OR 103; OR D. G. S.
 171.
 3 HOURS
 76989 LECT-DISC A 9 M W F 152 C A SMITH
 76997 LECT-DISC B 10 M W F 1 G H EUSTER
 77003 LECT-DISC C 11 M W F 1 G H ATHERTON

SOC W 226 INTRODUCTION TO SOCIAL WELFARE, II.
 PREREQUISITE: SOC. W. 225.
 3 HOURS
 77011 LECT-DISC A 9 M W F 328 D K H McDONALD
 77020 LECT-DISC B 10 M W F 96 COM W ATHERTON
 77038 LECT-DISC C 1 M W F 231 N H B LEUENBERGER
 77046 LECT-DISC D 2 M W F 152 C A GULLERUD

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC W 300 METHODS OF SOCIAL WORK INTERVENTION.
 PREREQUISITE: SOC. W. 226, OR TAKEN CONCURRENTLY.
 3 HOURS, OR 1/2 TO 1 UNIT
 77054 LECT-DISC A 11 M W F 152 C A KIM
 77062 LECT-DISC B 2 M W F 201 N L CLAY

SOC W 316 SOCIAL SERVICES FOR CHILDREN.
 PREREQUISITE: SOC. W. 300, OR TAKEN CONCURRENTLY, OR CONSENT OF
 INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 77071 LECT-DISC A 10 M W F 392 L H ASCOLI
 77089 LECT-DISC B 11 M W F 316S M H ASCOLI
 77097 LECT-DISC C 1 M W F 152 C A COSTIN

SOC W 318 SPECIAL PROBLEMS.
 PREREQUISITE: CREDIT OR REGISTRATION IN SOC. W. 300 AND CONSENT OF
 INSTRUCTOR.
 3 HOURS, OR 1/2 TO 1 UNIT
 77101 CONF ARR 21 1207 W ORE STAFF

COURSES FOR GRADUATES

NOTE: TO BE ADMITTED TO GRADUATE STUDY IN SOCIAL WORK, STUDENTS MUST HAVE HAD TWENTY HOURS IN THE SOCIAL SCIENCES, PREFERABLY INCLUDING THE INTRODUCTORY COURSES IN PSYCHOLOGY, SOCIOLOGY, ECONOMICS, POLITICAL SCIENCE, SOCIAL ANTHROPOLOGY, HISTORY, PHILOSOPHY, AND PREPROFESSIONAL COURSES SUCH AS STATISTICAL METHODS AND INTRODUCTION TO SOCIAL WORK.

SOC W 420	COMPARATIVE APPROACHES IN COMMUNITY ORGANIZATION PRACTICE. PREREQUISITE: CREDIT OR REGISTRATION IN SOC. W. 421 OR CONSENT OF INSTRUCTOR. 1/2 TO 2 UNITS									
87042	PRACT		1-5	W		103	1207	W	ORE	HENDERSON
SOC W 422	SOCIAL CASEWORK, II. PREREQUISITE: SOC. W. 421. 1/2 TO 1 UNITS									
77119	LECT-DISC	A	9	M	WTH	103	1207	W	ORE	ITZIN
77127	LECT-DISC	B	10	M	WTH	103	1207	W	ORE	EDWARDS
77135	LECT-DISC	C	11	M	WTH	103	1207	W	ORE	EDWARDS
SOC W 423	COMPARATIVE APPROACHES TO SOCIAL GROUP WORK PRACTICE. PREREQUISITE: SOC. W. 421 AND 425, OR CONSENT OF INSTRUCTOR. 1/2 TO 1 1/2 UNITS									
87051	PRACT		1-5	TU		103	1207	W	ORE	EUSTER
SOC W 426	SOCIAL PLANNING AND ADMINISTRATION. 1/2 TO 1 UNIT									
77143	LECT-DISC	A	9	M	W F	133	1207	W	ORE	LATHROPE
SOC W 429	SEMINAR IN METHODS OF INTERVENTION WITH LOW-INCOME FAMILIES. PREREQUISITE: SOC. W. 421 OR EQUIVALENT. 1/2 TO 1 1/2 UNITS									
77160	LECT-DISC	A	11	M	WTH	133	1207	W	ORE	WATTENBERG
SOC W 432	PRACTICE SEMINAR, II. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT									
77178	PRACT	A	ARR			21	1207	W	ORE	ITZIN AND CLAY
SOC W 452	HUMAN GROWTH AND BEHAVIOR, II. PREREQUISITE: SOC. W. 451. 1/2 TO 1 1/2 UNITS									
77186	LECT-DISC	A	3-4	M		319	G H			MCQUEEN
		A	4-5	M		331	G H			MCQUEEN
77194	LECT-DISC	B	3-4	M		319	G H			LEUENBERGER
		B	4-5	M		103	1207	W	ORE	LEUENBERGER
77208	LECT-DISC	C	3-4	M		319	G H			KIM
		C	4-5	M		133	1207	W	ORE	KIM
SOC W 461	SPECIAL STUDIES IN SOCIAL WORK I. 1/2 TO 2 UNITS									
77216	LECT-DISC		ARR			21	1207	W	ORE	COSTIN
SOC W 462	SPECIAL STUDIES IN SOCIAL WORK II. 1/2 TO 2 UNITS TIME BY ARRANGEMENT AFTER FIRST MEETING.									
77224	LECT-DISC		ARR			21	1207	W	ORE	
SOC W 467	FIELD INSTRUCTION, II. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/2 TO 1 UNIT TIME BY ARRANGEMENT AFTER FIRST MEETING.									
77232	PRACT	A	1-5	W		133	1207	W	ORE	OWNING
77241	PRACT	B	1-5	TH		133	1207	W	ORE	GOULD
77259	PRACT	C	1-5	TH		103	1207	W	ORE	OWNING

SOC W 469 FIELD INSTRUCTION, IV.
 PREREQUISITE: SOC. W. 468.
 1 TO 2 UNITS
 77267 PRACT A ARR 21 1207 W ORE ITZIN AND
 OWNING

SOC W 482 SOCIAL SERVICES AND WELFARE POLICY, II.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 TO 1 UNITS
 77275 LECT-DISC A 10 M WTH 133 1207 W ORE McDONALD
 77283 LECT-DISC B 1-4 TU 133 1207 W ORE LATHROPE

SOC W 491 RESEARCH SEMINAR.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 0 TO 2 UNITS
 TIME BY ARRANGEMENT AFTER FIRST MEETING.
 77291 PRACT A 8-12 F 103 1207 W ORE GOULD
 77305 PRACT B 8-12 F 21 1207 W ORE GULLERUD
 77313 PRACT C 1-5 F 133 1207 W ORE GULLERUD
 87069 PRACT D 1-5 F 21 1207 W ORE GULLERUD

SOC W 492 SEMINAR ON MODELS FOR DIRECTED CHANGE.
 SAME AS SOC. AND U. P. 492.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 TO 1 UNIT
 77321 LECT-DISC A 1-4 TU 100 1203 W CAL STAFF

SOCIOLOGY

DEPARTMENT OFFICE

342 L H

MAJOR: TWENTY HOURS FROM COURSES IN SOCIOLOGY, EXCLUDING SOCIOLOGY 100, 151, AND 152. SOCIOLOGY MAJORS ARE REQUIRED TO TAKE SOCIOLOGY 184, 185, 300, AT LEAST ONE COURSE FROM AMONG 201, 212, 320, AND 321 (THE INTERPERSONAL RELATIONS AREA), AND AT LEAST ONE COURSE FROM AMONG 218, 223, 270, AND 322 (THE SOCIETAL ANALYSIS AREA).

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANTHROPOLOGY, ECONOMICS, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE PSYCHOLOGY AND SOCIAL WORK. THE CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A MINOR.

DEPARTMENTAL DISTINCTION: IN ORDER TO BE AWARDED DISTINCTION IN SOCIOLOGY AT GRADUATION, THE STUDENT MUST (1) HAVE AT LEAST A 4.0 ALL UNIVERSITY GRADE POINT AVERAGE; (2) MEET THE GENERAL REQUIREMENTS FOR A MAJOR IN SOCIOLOGY; AND (3) IN ADDITION TO THE WORK DONE FOR THE MAJOR, EARN FOUR SEMESTER HOURS OF CREDIT BY ENROLLING IN BOTH OF THE HONORS COURSES (SOC. 290 AND 291).

COURSES FOR UNDERGRADUATES

SOC 100 INTRODUCTION TO SOCIOLOGY.
 *CREDIT IS NOT GIVEN FOR BOTH SOC. 100 AND R. SOC. 117.
 *3 HOURS
 EACH STUDENT MUST ELECT ONE QUIZ-LECTURE COMBINATION.

77330	QUIZ	A 1	8		F	134	ARMORY	
	LECT	A	10	M W		112	G H	JONES
77348	QUIZ	A 2	9		F	134	ARMORY	
	LECT	A	10	M W		112	G H	JONES
77356	QUIZ	A 3	10		F	134	ARMORY	
	LECT	A	10	M W		112	G H	JONES
77364	QUIZ	A 4	11		F	134	ARMORY	
	LECT	A	10	M W		112	G H	JONES

SOC	100	CONTINUED							
	77372	QUIZ	A 5	1		F	134	ARMORY	
		LECT	A	10	M	W	112	G H	JONES
	77381	QUIZ	A 6	2		F	134	ARMORY	
		LECT	A	10	M	W	112	G H	JONES
	77399	QUIZ	A 7	10		F	300	L H	
		LECT	A	10	M	W	112	G H	JONES
	77402		A						
		LECT	A	10	M	W	112	G H	JONES
		LECT	A	10	M	W	112	G H	JONES
	77402		A 8						
	77411	QUIZ	A 9	9		F	300	L H	
		LECT	A	10	M	W	112	G H	JONES
	77429	QUIZ	A10	9		TH	314	L H	
		LECT	A	10	M	W	112	G H	JONES
	77445	QUIZ	A11	1		F	314	L H	
		LECT	A	10	M	W	112	G H	JONES
	77453	QUIZ	A12	10		F	370	L H	
		LECT	A	10	M	W	112	G H	JONES
	77461	QUIZ	B 1	1		F	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77470	QUIZ	B 2	2		F	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77488	QUIZ	B 3	8		F	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77496	QUIZ	B 4	8		TH	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77500	QUIZ	B 5	11		TH	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77518	QUIZ	B 6	3		TH	300	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77526	QUIZ	B 7	11		F	340	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77534	QUIZ	B 8	1		F	340	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77542	QUIZ	B 9	9		F	314	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	77551	QUIZ	B10	9		TH	340	L H	
		LECT	B	2	M	W	114	D K H	WILEY
	87077	QUIZ	B11	10		TH	388	L H	
			B	2	M	W	114	D K H	WILEY
	77569	QUIZ	B12	3		TH	314	L H	
		LECT	B	2	M	W	114	D K H	WILEY

SOC 152 THE STUDY OF SOCIETY, II.

PREREQUISITE: SOC. 151.

*CREDIT IS NOT GIVEN IN SOC. 152 IN ADDITION TO CREDIT IN SOC. 100 OR R. SOC. 117.

4 HOURS

SECTION 49 IS FOR JAMES SCHOLARS. OTHERS MAY BE ADMITTED WITH CONSENT OF THEIR ADVISORS.

77577	LECT	N	10	TU TH	103	M H	JENNE
77585	LECT	R	1	TU TH	103	M H	JENNE
77593	QUIZ	1	9	M W	134	ARMORY	
77607	QUIZ	2	10	M W	134	ARMORY	
77615	QUIZ	3	11	M W	134	ARMORY	
77623	QUIZ	4	1	M W	134	ARMORY	
77631	QUIZ	5	2	M W	134	ARMORY	
77640	QUIZ	6	3	M W	134	ARMORY	
77658	QUIZ	7	11	M W	340	L H	
77666	QUIZ	8	1	M W	340	L H	
77747	QUIZ	49	9	TU TH	134	ARMORY	
77674	QUIZ	10	10	TU TH	134	ARMORY	
77682	QUIZ	11	11	TU TH	134	ARMORY	
77691	QUIZ	12	1	TU TH	134	ARMORY	
77704	QUIZ	13	2	TU TH	134	ARMORY	
77712	QUIZ	14	3	TU TH	134	ARMORY	
77721	QUIZ	15	1	M W	300	L H	
77739	QUIZ	16	1	TU TH	340	L H	

SOC 184 NON-STATISTICAL INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.

PREREQUISITE: SOC. 100, OR CONSENT OF INSTRUCTOR, OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY OR GEOGRAPHY.

3 HOURS

77755	LECT-DISC	C	1030-12	TU TH	4	G H	ROBINSON
77763	LECT-DISC	F	2-330	TU TH	317	G H	ROBINSON

SOC	185	INTRODUCTION TO SOCIAL STATISTICS.										
		SAME AS GEOG. 185.										
		PREREQUISITE: SOC. 100 OR CONSENT OF INSTRUCTOR OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.										
		3 HOURS										
	77771	LECT-DISC	B	9	M	W	F	340	L	H	SYNGE	
	77780	LECT-DISC	C	10	M	W	F	314	L	H	STAFF	
SOC	190	INDIVIDUAL TOPICS FOR UNDERGRADUATES.										
		PREREQUISITE: SIX HOURS OF SOCIOLOGY OR THREE HOURS OF SOCIOLOGY, CONCURRENT REGISTRATION IN ANOTHER SOCIOLOGY COURSE AND CONSENT OF INSTRUCTOR.										
		1 OR 2 HOURS.										
	77798	CONF	A	ARR							STAFF	
SOC	199	UNDERGRADUATE OPEN SEMINAR.										
		*MAY BE REPEATED.										
		*0 TO 9 HOURS										
	77801	CONF	C	10	M	W	F	340	L	H	SOUTHWOOD	
COURSES FOR ADVANCED UNDERGRADUATES												
SOC	206	POLITICAL SOCIOLOGY.										
		3 HOURS										
	77810	LECT-DISC	C	1	M	W	F	192	L	H	DRUM	
SOC	212	CULTURE PATTERNS AND THE INDIVIDUAL.										
		PREREQUISITE: SOC. 100 OR 151, JUNIOR STANDING.										
		3 HOURS										
	77828	LECT-DISC	F	2	M	W	F	314	L	H	HULETT	
SOC	218	TECHNOLOGY AND SOCIAL CHANGE.										
		PREREQUISITE: SOC. 100 OR EQUIVALENT.										
		3 HOURS										
	77836	LECT-DISC	M	9-1030	TU	TH	151	E	E	B	SOLAUN	
SOC	223	STRATIFICATION AND SOCIAL CLASSES.										
		PREREQUISITE: THREE HOURS OF SOCIOLOGY OR EIGHT HOURS OF SOCIAL SCIENCE.										
		3 HOURS										
	77844	LECT-DISC	F	2	M	W	F	223	G	H	LUSCHEN	
SOC	225	RACIAL AND CULTURAL MINORITIES.										
		PREREQUISITE: SOC. 100 OR 151, JUNIOR STANDING.										
		3 HOURS										
	77852	LECT-DISC	T	3-430	TU	TH	213	G	H		KRONUS	
SOC	231	ANALYSIS OF JUVENILE DELINQUENCY.										
		PREREQUISITE--SOC. 100 OR 151.										
		3 HOURS.										
	77861	LECT-DISC	B	9	M	W	F	101	ARMORY		BORDUA	
SOC	251	SOCIAL ASPECTS OF MASS COMMUNICATIONS.										
		SAME AS COMM. AND JOURN. 251.										
		PREREQUISITE: REGISTRATION IN THE COLLEGE OF COMMUNICATIONS OR CONSENT OF THE COLLEGE.										
		3 HOURS										
	77879	LECT-DISC	F	2	M	W	F	215	G	H	KREILING	
	77887	LECT-DISC	H	4	M	W	F	215	G	H	GUBACK	
SOC	270	POPULATION, AND HUMAN ECOLOGY.										
		SAME AS R. SOC. 270.										
		PREREQUISITE: SOC. 100 OR 151, OR R. SOC. 117, JUNIOR STANDING.										
		3 HOURS										
	77895	LECT-DISC	F	2	M	W		442	M	H	FOLSE	
			F	3		W		442	M	H	FOLSE	

SOC 276 SOCIOLOGY OF THE CITY.
PREREQUISITE: SOC. 100 OR 151, JUNIOR STANDING.
3 HOURS
77909 LECT-DISC B 11 M W F 314 L H WOELFEL

SOC 277 RURAL SOCIAL CHANGE.
SAME AS R. SOC. 277.
PREREQUISITE: SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, \$5.
3 HOURS
77917 LECT-DISC O 11 M W F 313 M H VAN ES

SOC 291 HONORS.
PREREQUISITE: SENIOR STANDING AND CONSENT OF INSTRUCTOR.
2 HOURS
77925 CONF EA ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC 321 FAMILY, KINSHIP, AND CRISIS.
PREREQUISITE: SOC. 185.
3 HOURS, OR 1/2 OR 1 UNIT
77933 LECT-DISC M 9-1030 TU TH 300 L H FARBER

SOC 322 SOCIOLOGY OF BUREAUCRACY AND ADMINISTRATIVE ORGANIZATION.
PREREQUISITE: NINE HOURS OF SOCIOLOGY INCLUDING SOC. 300, OR
CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
77941 LECT-DISC S 2-330 TU TH 340 L H KIMBERLY

SOC 326 SOCIAL MOBILITY AND CLASS STRUCTURE.
PREREQUISITE: SOC. 223, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
77950 LECT-DISC M 2 M W F 327 G H JACOBS

SOC 332 RESEARCH METHODS IN SOCIAL PSYCHOLOGY.
SAME AS PSYCH. 332.
PREREQUISITE: PSYCH. 201 OR SOC 201, AND PSYCH. 235 OR
SOC. 184 AND 185.
4 HOURS, OR 1/2 OR 1 UNIT
77968 LECT A 9 TU TH 31 PSYCH BLOG
77976 LAB A1 1-3 M W 151 PSYCH BLOG
77984 LAB A2 3-5 M W 151 PSYCH BLOG
77992 LAB A3 1-3 TU TH 151 PSYCH BLOG
78009 LAB A4 3-5 TU TH 151 PSYCH BLOG
78017 LECT B 2 M W 27 PSYCH BLOG
78025 LAB B1 9-11 M W 151 PSYCH BLOG
78033 LAB B2 11-1 M W 151 PSYCH BLOG

SOC 343 SOCIAL CHANGE IN DEVELOPING AREAS.
SAME AS R. SOC. 343.
PREREQUISITE: SOC. 100 OR 151 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
78041 LECT-DISC C 1030-12 TU TH 314 L H KARSH

SOC 351 ADVANCED SOCIAL PSYCHOLOGY.
SAME AS PSYCH. 351 AND COMM. 351.
PREREQUISITE: PSYCH. 201 OR SOC. 201 AND PSYCH. 235 OR SOC. 385
OR A COMPARABLE STATISTICS COURSE.
3 HOURS, OR 1/2 OR 1 UNIT
78050 LECT 1-220 TU TH 23 PSYCH BLOG

SOC 359 THE SOCIAL PSYCHOLOGY OF ORGANIZATION.
SAME AS PSYCH. 359.
PREREQUISITE: PSYCH. 355 OR SOC. 322.
3 HOURS OR 1 UNIT
87085 LECT A 3-420 TU TH 21 PSYCH BLOG MCGRATH

SOC 360 SOCIOLOGY OF THE PROFESSIONS.
PREREQUISITE: SOC. 100, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
78068 LECT-DISC 7-930PM M 336 L H MAXWELL

SOC	371	COMPARATIVE SOCIAL INSTITUTIONS PREREQUISITE: SOC. 100, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	78076	LECT-DISC	G	3	M W F	300	L H	JACOBS
SOC	374	PROBLEMS IN HUMAN ECOLOGY. SAME AS ANTH., GEOG., H. ED., PHYSL., PSYCH., V.M.S. 374. PREREQUISITE: ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S., OR ZOOL 369. 4 HOURS OR 1 UNIT *ONE DISC HOUR TO BE ARRANGED.	78084	LECT-DISC	*11		M W F	242	8EV HALL	LEVINE
SOC	386	METHODS OF FIELD RESEARCH. SAME AS PSYCH. 386. PREREQUISITE: SOC. 184 AND 185, OR PSYCH. 235. 3 HOURS, OR 1/2 OR 1 UNIT	78092	LECT-DISC	R	1-230	TU TH	300	L H	MCPHAIL
SOC	387	SOCIAL STATISTICS II. PREREQUISITE: SOC. 385. 3 HOURS, OR 3/4 OR 1 UNIT	78106	LECT-DISC	F	2	M W F	340	L H	SOUTHWOOD

COURSES FOR GRADUATES

SOC	400	GENERAL SOCIOLOGY. 1 UNIT	78114	LECT-DISC	C	10-12	TU	176	L H	VUCINICH
SOC	408	THE SOCIOLOGY OF HUMAN FERTILITY. PREREQUISITE: GRADUATE STANDING OR CONSENT OF INSTRUCTOR. 1 UNIT	78122	LECT-DISC	N	10-12	TH	8	COM W	CHOLDIN
SOC	413	COMPUTER APPLICATIONS IN SOCIAL SCIENCE STATISTICAL RESEARCH. SAME AS C. S. AND PSYCH. 413. PREREQUISITE: SOC. 387 OR EQUIVALENT IN STATISTICS; MAY BE TAKEN CONCURRENTLY WITH SOC. 387. 1 UNIT	78131	LECT-DISC	E	1-220	TU TH	1056	WOODSHOP	DICKMAN
SOC	414	SEMINAR ON SOCIAL INTERACTION. SAME AS COMM. 414. PREREQUISITE: ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY. 1 UNIT	78149	LECT-DISC	S	2-4	TU	212	O K H	HULETT
SOC	417	SEMINAR IN THE SOCIOLOGY OF LAW. PREREQUISITE: SOC. 317. 1 UNIT	78157	LECT-DISC	E	1-3	W	170	COM W	BOROUA
SOC	418	SEMINAR IN INDUSTRIAL AND ECONOMIC SOCIOLOGY. SAME AS L.I.R. 418. PREREQUISITE: SOC. 318 OR CONSENT OF INSTRUCTOR. 1 UNIT	78165	LECT-DISC	C	10-12	W	43	L I R	KARSH
SOC	425	RACIAL AND CULTURAL MINORITIES. PREREQUISITE: UNDERGRADUATE MAJOR OR MINOR IN SOCIOLOGY OR ANTHROPOLOGY. 1 UNIT	78173	LECT-DISC	G	3-5	M	340	L H	DRUM
SOC	440	POLITICAL SOCIOLOGY. PREREQUISITE: A COURSE IN SOCIOLOGICAL THEORY OR CONSENT OF INSTRUCTOR. 1 UNIT	78181	LECT-DISC	F	4-6	TU	110	L H	WILEY

SOC	444	SEMINAR IN PUBLIC OPINION. SAME AS COMM. 444.							
		1 UNIT							
	78190	LECT-DISC	R	1-3	TH	11	COM W		SIMON
SOC	450	PROBLEMS OF SOVIET SOCIETY IN TRANSITION. PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1 UNIT							
	78203	LECT-DISC	C	10-12	W	325	G H		VUCINICH
SOC	457	ORGANIZATIONAL SCIENCES, II. SAME AS I. ADM. 411, POL. S. 461, AND PSYCH. 454. PREREQUISITE: SOC. 456.							
		1 UNIT							
	78211	LECT-DISC		3-5	TU TH	160	COM W		
SOC	476	URBAN COMMUNITIES AND URBANIZATION.							
		1 UNIT							
	78220	LECT-DISC	C	10-12	M	300	L H		CHOLDIN
SOC	480	SOCIOLOGICAL THEORY AND METHOD.							
		1 UNIT							
	78238	LECT-DISC		7-9PM	W	336	L H		WOELFEL
SOC	482	RECENT DEVELOPMENTS IN SOCIOLOGY. *STUDENTS MAY ACCUMULATE TWO UNITS.							
		* 1 UNIT							
	78246	LECT-DISC	G	3-5	W	340	L H		LUSCHEN
SOC	485	THE SAMPLING OF HUMAN POPULATIONS AND SOCIAL ORGANIZATIONS. SAME AS MKTG. AND PSYCH. 485. PREREQUISITE: SOC. 387 OR ECON. 371, OR CONSENT OF INSTRUCTOR.							
		1 UNIT							
	78254	LECT-DISC	G	3-5	W	224	D K H		SUDMAN
SOC	486	SEMINAR ON EXPERIMENTAL SOCIOLOGY. PREREQUISITE: SOC. 385 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.							
		1 UNIT							
	78262	LECT-DISC	T	1-3	W	219	G H		MCPHAIL
SOC	487	SPECIAL PROBLEMS IN RURAL SOCIOLOGY. SAME AS R. SOC. 487. PREREQUISITE: ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY, CONSENT OF INSTRUCTOR.							
		1/2 OR 1 UNIT							
	78271	CONF		ARR					STAFF
SOC	490	INDIVIDUAL TOPICS IN SOCIOLOGY.							
		1/2 TO 2 UNITS							
	78289	CONF	A	ARR					STAFF
	78297	CONF	B	ARR					STAFF
SOC	492	SEMINAR ON MODELS FOR DIRECTED CHANGE. SAME AS SOC. W. AND U. P. 492. PREREQUISITE: CONSENT OF INSTRUCTOR.							
		1/2 TO 1 UNIT							
	78301	LECT-DISC	A	1-4	TU	100	1203 W CAL		TABER
SOC	494	MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION. SAME AS ED. PSY. AND PSYCH. 494. PREREQUISITE: PSYCH. 307 OR ED. PSY. 496, CONSENT OF INSTRUCTOR.							
		1 UNIT							
	78319	LECT		2-4	TH	508	PSYCH LAB		
SOC	499	THESIS RESEARCH. 0 TO 4 UNITS *SECTION B IS FOR DOCTORS THESIS.							
		CONF	A	ARR					STAFF
	78327	CONF	*B	ARR					STAFF

SPANISH

DEPARTMENT OFFICE

224 L H

MAJOR: TWENTY-FOUR HOURS, EXCLUDING 101, 102, 103, 104, 115, AND INCLUDING 211, 212, 221, 222. A MINIMUM OF ONE COURSE MUST BE TAKEN FROM EACH OF THE FOLLOWING GROUPS: 1) SPANISH 241, 305, 306; 2) SPANISH 242, 307, 308; 3) SPANISH 309, 311, 314; 4) SPANISH 331, 332; 5) SPANISH 351, 352, LINGUISTICS 300, LINGUISTICS 302. AT LEAST TWO LITERATURE COURSES MUST BE TAKEN AT THE 300 LEVEL.

MINORS: TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: EDUCATION, ENGLISH (EXCLUDING RHET. 101 AND 102), FRENCH, GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LATIN-AMERICAN STUDIES, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, AND RUSSIAN.

COURSES FOR UNDERGRADUATES

SPAN 101 ELEMENTARY SPANISH, I.

NO CREDIT TOWARD GRADUATION IS GIVEN FOR SPAN. 101 WITHOUT SPAN. 102.

4 HOURS

ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE LABORATORY SECTIONS T3-T22.

*ALL STUDENTS ASSIGNED TO 101 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN STARRED SECTIONS.

ALL OTHER STUDENTS MUST REGISTER IN NON-STARRED SECTIONS.

78343	LECT-DISC	A	8	TUWTHF	154	ADMIN
78351	LECT-DISC	B	9	TUWTHF	170	L H
78360	LECT-DISC	C	10	TUWTHF	170	L H
78378	LECT-DISC	D	11	TUWTHF	216	L H
78611	LECT-DISC	*X	12	MTUWTH	176	L H
78386	LECT-DISC	F	2	MTUWTH	176	L H
78394	LECT-DISC	G	3	MTUWTH	108	L H
78408	LECT-DISC	H	4	MTUWTH	176	L H
78416	LAB	T 3	8-830	TU F	202	L H
78424	LAB	T 4	830-9	TU F	202	L H
78432	LAB	T 5	9-930	TU F	202	L H
78441	LAB	T 6	930-10	TU F	202	L H
78459	LAB	T 7	10-1030	TU F	202	L H
78467	LAB	T 8	1030-11	TU F	202	L H
78475	LAB	T 9	11-1130	TU F	202	L H
78483	LAB	T10	1130-12	TU F	202	L H
78491	LAB	T11	12-1230	TU F	202	L H
78505	LAB	T12	1230-1	TU F	202	L H
78513	LAB	T13	1-130	TU F	202	L H
78521	LAB	T14	130-2	TU F	202	L H
78530	LAB	T15	2-230	TU F	202	L H
78548	LAB	T16	230-3	TU F	202	L H
78556	LAB	T17	3-330	TU F	202	L H
78564	LAB	T18	330-4	TU F	202	L H
78572	LAB	T19	4-430	TU F	202	L H
78581	LAB	T20	430-5	TU F	202	L H
78599	LAB	T21	5-530	TU F	202	L H
78602	LAB	T22	530-6	TU F	202	L H

SPAN 102 ELEMENTARY SPANISH, II.
 PREREQUISITE: SPAN. 101 OR ONE YEAR OF HIGH SCHOOL SPANISH.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE
 LABORATORY SECTIONS W3-W27.
 *STARRED SECTIONS WILL MEET FIVE HOURS PER WEEK.
 ALL NEW AND TRANSFER STUDENTS AS WELL AS ALL STUDENTS ASSIGNED
 TO 102 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN THE
 STARRED SECTIONS. ALL OTHER STUDENTS MUST REGISTER IN
 NON-STARRED SECTIONS.
 SECTION 881 IS AN HONORS SECTION, OPEN ONLY TO JAMES SCHOLARS OR
 TO STUDENTS WHO RECEIVED AN A IN SPANISH 101.

78629	LECT-DISC	A	8	TUWTHF	254	ADMIN
78637	LECT-DISC	A2	8	TUWTHF	431	ARMORY
78874	LECT-DISC	881	9	TUWTHF	154	ADMIN
78645	LECT-DISC	82	9	TUWTHF	224	O K H
78653	LECT-DISC	01	11	TUWTHF	151	ARMORY
78661	LECT-DISC	02	11	TUWTHF	254	ADMIN
78866	LECT-DISC	*X1	12	MTUWTHF	170	L H
78670	LECT-DISC	X2	12	MTUWTH	4	G H
78688	LECT-DISC	E1	1	MTUWTH	152	ARMORY
78696	LECT-DISC	E2	1	MTUWTH	137	ARMORY
78700	LECT-DISC	F1	2	MTUWTH	4	G H
78718	LECT-DISC	F2	2	MTUWTH	118	L H
78726	LECT-DISC	G	3	MTUWTH	216	L H
78734	LECT-DISC	H	4	MTUWTH	230	L H
78742	LAB	W 3	8	W	202	L H
78751	LAB	W 5	9	W	202	L H
78769	LAB	W 7	10	W	202	L H
78777	LAB	W 9	11	W	202	L H
78785	LAB	W11	12	W	202	L H
78793	LAB	W13	1	W	202	L H
78807	LAB	W15	2	W	202	L H
78815	LAB	W17	3	W	202	L H
78823	LAB	W19	4	W	202	L H
78831	LAB	W21	5	W	202	L H
78840	LAB	W25	7PM	W	202	L H
78858	LAB	W27	8PM	W	202	L H

SPAN 103 INTERMEDIATE SPANISH, I.
 PREREQUISITE: SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
 4 HOURS
 ALL STUDENTS IN THIS COURSE MUST REGISTER FOR ONE OF THE LANGUAGE
 LABORATORY SECTIONS T3-T26.

78882	LECT-DISC	A1	8	TUWTHF	152	ARMORY
78891	LECT-DISC	A2	8	TUWTHF	230	L H
78904	LECT-DISC	X1	12	MTUWTH	152	ARMORY
78912	LECT-DISC	X2	12	MTUWTH	137	ARMORY
78921	LECT-DISC	E	1	MTUWTH	254	ADMIN
78939	LECT-DISC	F	2	MTUWTH	154	ADMIN
78947	LECT-DISC	G	3	MTUWTH	230	L H
78955	LAB	T 3	8-830	TU TH	210	L H
78963	LAB	T 4	830-9	TU TH	210	L H
78971	LAB	T 5	9-930	TU TH	210	L H
78980	LAB	T 6	930-10	TU TH	210	L H
78998	LAB	T 7	10-1030	TU TH	210	L H
79004	LAB	T 8	1030-11	TU TH	210	L H
79012	LAB	T 9	11-1130	TU TH	210	L H
79021	LAB	T10	1130-12	TU TH	210	L H
79039	LAB	T11	12-1230	TU TH	210	L H
79047	LAB	T12	1230-1	TU TH	210	L H
79055	LAB	T13	1-130	TU TH	210	L H
79063	LAB	T14	130-2	TU TH	210	L H
79071	LAB	T15	2-230	TU TH	210	L H
79080	LAB	T16	230-3	TU TH	210	L H
79098	LAB	T17	3-330	TU TH	210	L H
79101	LAB	T18	330-4	TU TH	210	L H
79110	LAB	T19	4-430	TU TH	210	L H
79128	LAB	T20	430-5	TU TH	210	L H
79136	LAB	T21	5-530	TU TH	210	L H
79144	LAB	T22	530-6	TU TH	210	L H
79152	LAB	T25	7-730PM	TU TH	210	L H
79161	LAB	T26	730-8PM	TU TH	210	L H

SPAN 104 INTERMEDIATE SPANISH, II.
 PREREQUISITE: SPAN. 103 OR THREE YEARS OF HIGH SCHOOL SPANISH.
 4 HOURS
 STUDENTS MAY BE REQUIRED TO ATTEND A SPANISH PLAY OR FILM.

79179	LECT-DISC A1	8	TUWTHF	170	L H
79187	LECT-DISC A2	8	TUWTHF	176	L H
79195	LECT-DISC B1	9	TUWTHF	254	ADMIN
79209	LECT-DISC B2	9	TUWTHF	431	ARMORY
79217	LECT-DISC C1	10	TUWTHF	154	ADMIN
79225	LECT-DISC C2	10	TUWTHF	224	D K H
79233	LECT-DISC D	11	TUWTHF	136	ARMORY
79241	LECT-DISC X1	12	MTUWTH	102	L H
79250	LECT-DISC X2	12	MTUWTH	230	L H
79268	LECT-DISC E1	1	MTUWTH	217	G H
79276	LECT-DISC E2	1	MTUWTH	224	D K H
79284	LECT-DISC F	2	MTUWTH	108	L H
79292	LECT-DISC G	3	MTUWTH	118	L H
79306	LECT-DISC H	4	MTUWTH	102	L H

SPAN 115 ELEMENTARY COMPOSITION AND CONVERSATION.
 PREREQUISITE: SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
 2 HOURS

79314	LECT-DISC	11	TU TH	108	L H
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SPAN 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.

*0 TO 9 HOURS
 79322 CONF

ARR

STAFF

COURSES FOR ADVANCED UNDERGRADUATES

SPAN 211 INTERMEDIATE COMPOSITION AND CONVERSATION, I.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
 3 HOURS

79331	LECT-DISC B	9	M W F	136	ARMORY
79349	LECT-DISC C	10	M W F	254	ADMIN
79357	LECT-DISC D	11	M W F	224	D K H
79365	LECT-DISC F	2	M W F	254	ADMIN
79373	LECT-DISC G	3	M W F	102	L H

SPAN 212 INTERMEDIATE COMPOSITION AND CONVERSATION, II.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 211 OR EQUIVALENT.
 3 HOURS

79381	LECT-DISC A	8	M W F	4	G H
79390	LECT-DISC B1	9	M W F	152	ARMORY
79403	LECT-DISC B2	9	M W F	102	L H
79411	LECT-DISC C	10	M W F	152	ARMORY
79420	LECT-DISC D	11	M W F	152	ARMORY
79438	LECT-DISC X	12	M W F	217	G H
79446	LECT-DISC E	1	M W F	118	L H
79454	LECT-DISC F	2	M W F	152	ARMORY
79462	LECT-DISC G	3	M W F	154	ADMIN

SPAN 214 ADVANCED COMPOSITION AND CONVERSATION, II.
 PREREQUISITE: SPAN. 213 OR EQUIVALENT.
 3 HOURS

79471	LECT-DISC A	8	M W F	151	ARMORY
79489	LECT-DISC C	10	M W F	137	ARMORY
79497	LECT-DISC D	11	M W F	137	ARMORY

SPAN 215 SPOKEN SPANISH.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 212, SENIOR STANDING.
 4 HOURS

79501	LECT-DISC Z1	2-4	MTUWTH	217	G H
79519	LECT-DISC Z2	2-4	MTUWTH	151	ARMORY

SPAN 221 SPANISH DRAMA AND POETRY OF THE TWENTIETH CENTURY.
 PREREQUISITE: SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
 3 HOURS

79527	LECT-DISC B	9	M W F	230	L H
79535	LECT-DISC D	11	M W F	108	L H

HERSHBERG
 MAHARG

SPAN 222 SPANISH-AMERICAN PROSE FICTION OF THE TWENTIETH CENTURY.
 PREREQUISITE: SPAN. 221.
 3 HOURS

79543	LECT-DISC	B	9	M	W	F	108	L	H	MAHARG
79551	LECT-DISC	C	10	M	W	F	230	L	H	HERSHBERG
79560	LECT-DISC	D	11	M	W	F	176	L	H	LERNER
79578	LECT-DISC	E	1	M	W	F	176	L	H	OYARZUN

SPAN 231 COMMERCIAL SPANISH.
 PREREQUISITE: SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
 3 HOURS

79586	LECT-DISC		11	M	W	F	217	G	H	
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SPAN 241 STUDIES IN MODERN SPANISH LITERATURE.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS

79594	LECT-DISC		10	M	W	F	108	L	H	MAHARG
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SPAN 242 STUDIES IN MODERN SPANISH-AMERICAN LITERATURE.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS

79608	LECT-DISC		1	M	W	F	431	ARMORY		MEEHAN
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SPAN 280 TEACHERS COURSE.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 222 OR 211 AND 212.
 2 HOURS
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

79616	LECT-DISC *N		4-530	TU	TH		118	L	H	FLORES
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SPAN 292 SENIOR THESIS.
 FOR CANDIDATES FOR HONORS IN SPANISH.
 2 HOURS

79624	CONF	6A	ARR							STAFF
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE: ALL ADVANCED COURSES IN SPANISH UNLESS OTHERWISE NOTED
 HAVE THE FOLLOWING PREREQUISITE: SPAN. 222 OR EQUIVALENT.

SPAN 305 ROMANTICISM AND REALISM IN NINETEENTH-CENTURY SPANISH
 LITERATURE.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS OR 1/2 UNIT

79632	LECT-DISC		1	M	W	F	136	ARMORY		COWES
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SPAN 306 THE GENERATION OF 1898.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS OR 1/2 UNIT

79641	LECT-DISC		2	M	W	F	136	ARMORY		COWES
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SPAN 307 SPANISH-AMERICAN LITERATURE TO 1888.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS OR 1/2 UNIT

79659	LECT-DISC		11	M	W	F	230	L	H	MEEHAN
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SPAN 310 CONTEMPORARY SPANISH-AMERICAN LITERATURE.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 3 HOURS OR 1/2 UNIT

79667	LECT-DISC		1	M	W	F	151	ARMORY		FORSTER
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SPAN 331 LA CULTURA HISPANICA: ESPANA.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 2 HOURS OR 1/2 UNIT
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

79675	LECT-DISC *E		1	M	W	F	102	L	H	MORINIGO
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SPAN 332 LA CULTURA HISPANICA: HISPANOAMERICA.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 2 HOURS OR 1/2 UNIT
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 79683 LECT-DISC *C 10 M W F 176 L H LERNER

SPAN 351 PHONETICS.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 2 HOURS OR 1/2 UNIT
 79691 LECT-DISC M 9 TU TH 176 L H ALLEN
 79705 LECT-DISC N 10 TU TH 230 L H FLORES

SPAN 352 SYNTAX.
 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
 PREREQUISITE: SPAN. 222 OR EQUIVALENT.
 2 HOURS OR 1/2 UNIT
 79713 LECT-DISC M 9 TU TH 108 L H WANNER
 79721 LECT-DISC N 10 TU TH 118 L H LERNER

SPAN 382 LANGUAGE LABORATORY TECHNIQUES.
 SAME AS FR., GER., AND SLAV. 382.
 PREREQUISITE: 3 YEARS OF MODERN FOREIGN LANGUAGE AT THE
 COLLEGE LEVEL, OR THE EQUIVALENT.
 2 HOURS OR 1/2 UNIT
 79730 LECT-DISC 1 TU TH 236 L H

COURSES FOR GRADUATES

SPAN 400 BEGINNING SPANISH FOR GRADUATE STUDENTS.
 4 HOURS
 79748 LECT-DISC 8 TWTUHF 102 L H

SPAN 411 SPANISH LITERATURE IN THE MIDDLE AGES.
 1 UNIT
 79756 LECT-DISC 11 M W 102 L H BALOWIN

SPAN 415 RENAISSANCE AND BAROQUE PROSE IN SPAIN.
 PREREQUISITE: SPAN. 311 AND 314, OR EQUIVALENT.
 1 UNIT
 79764 LECT-DISC 10 M W 102 L H PORQUERAS

SPAN 418 SEMINAR IN RENAISSANCE AND BAROQUE LITERATURE.
 PREREQUISITE: SPAN. 415 OR 417.
 1 UNIT
 79772 LECT-DISC 1 TU TH 102 L H MORINIGO

SPAN 419 CERVANTES.
 PREREQUISITE: SPAN. 311 AND 314, OR EQUIVALENT.
 1 UNIT
 79781 LECT-DISC 2 M W 170 L H MORINIGO

SPAN 422 CONTEMPORARY SPANISH NOVEL AND ESSAY.
 1 UNIT
 79799 LECT-DISC 11 TU TH 230 L H PASQUARIELLO

SPAN 423 MODERN SPANISH DRAMA.
 1 UNIT
 79802 LECT-DISC 2 TU TH 429 LIB PIETRANGELI

SPAN 433 SPANISH-AMERICAN NOVEL: MIDDLE AMERICA.
 PREREQUISITE: SPAN. 307, 308, AND 310, OR EQUIVALENT.
 1 UNIT
 79811 LECT-DISC 11 M W 118 L H LEAL

SPAN 436 SEMINAR IN SPANISH-AMERICAN NOVEL.
PREREQUISITE: SPAN. 433 OR 434.
1 UNIT
79829 LECT-DISC 1 M W 170 L H LEAL

SPAN 437 SPANISH-AMERICAN DRAMA.
PREREQUISITE: SPAN. 307, 308, OR 310.
1 UNIT
79837 LECT-DISC 10 M W 151 ARMORY FORSTER

SPAN 445 SEMINAR IN 20TH CENTURY SPANISH LITERATURE.
PREREQUISITE: SPAN. 421 OR 422 OR 423 OR 424 OR EQUIVALENT.
1 UNIT
79845 LECT-DISC 1 TU TH 136 ARMORY COWES

SPAN 491 SPECIAL TOPICS IN SPANISH.
1/2 OR 1 UNIT
79853 CONF ARR STAFF

SPAN 499 THESIS RESEARCH.
0 TO 4 UNITS
79861 CONF ARR
ALLEN, FORSTER
KAHANE, LEAL
LOTT, MORINIGO
PASQUARIELLO,
PIETRANGELI,
PORQUERAS
SHOEMAKER

SPECIAL EDUCATION

DEPARTMENT OFFICE

210 EDUC

COURSES FOR UNDERGRADUATES

SP ED 117 EXCEPTIONAL CHILDREN.
PREREQUISITE: SOPHOMORE STANDING AND/OR PSYCH. 100.
3 HOURS
79870 LECT-DISC 2 M W F 101 ARMORY STAFF

SP ED 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
79888 CONF ARR 210 EDUC STAFF

COURSES FOR ADVANCED UNDERGRADUATES

SP ED 249 INDEPENDENT STUDY.
PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE
POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES
THE WORK.
2 HOURS
79896 CONF ARR 210 EDUC STAFF

SP ED 292 THESIS.
PREREQUISITE: SENIOR STANDING.
2 HOURS
79900 CONF ARR 210 EDUC STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SP ED 316 THE GIFTED CHILD IN SCHOOL AND SOCIETY.
PREREQUISITE: EOPSY. 211 OR 236; CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 TO 1 UNIT
79918 LECT-DISC 7-9PM TU 192 EDUC SIMMONS

SP ED 318 WORKSHOP AND LABORATORY IN EDUCATION OF EXCEPTIONAL CHILDREN.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 4 TO 8 HOURS, OR 1 TO 2 UNITS

79926	LAB-DISC	A	ARR		210	EDUC	JORDAN
79934	LAB-DISC	B	9-11	TU TH	11	1005 W NEV	ROCK
79942	LAB-DISC	C	ARR				STAFF
79951	LAB-DISC	E	ARR		210	EDUC	SCHULTZ
79969	LAB-DISC	O	ARR		210	EDUC	ONEILL

SP ED 320 SPECIAL EDUCATION OF THE DEAF, II.
 PREREQUISITE: SP. ED. 319.
 5 HOURS, OR 1 TO 2 UNITS
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

79977	LECT-DISC		1-4	TU TH	6	COM W	ONEILL
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SP ED 321 EDUCATION OF DISTURBED AND CONDUCT-PROBLEM CHILDREN.
 PREREQUISITE: SP. ED. 117 OR EQUIVALENT AND EDPSY. 236,
 OR EQUIVALENT.
 3 HOURS, OR 1/2 TO 1 UNIT

79985	LECT-DISC	1	4-6	M	160	COM W	SCHULTZ
79993	LECT-DISC	2	4-6	W	160	COM W	SCHULTZ

SP ED 322 PSYCHOLOGY AND EDUCATION OF THE MENTALLY HANDICAPPED, I.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 *WILL NOT MEET DURING SIX WEEK STUDENT TEACHING PERIOD.

80001	LECT-DISC		*3	M W F	19	D K H	UHLIR
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SP ED 323 PSYCHOLOGY AND EDUCATION OF THE MENTALLY HANDICAPPED, II.
 PREREQUISITE: SENIOR STANDING IN SPECIAL EDUCATION AND CONSENT
 OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

80010	LECT-DISC		*1-3	M W F	192	EDUC	JORDAN
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SP ED 324 MENTAL AND EDUCATIONAL MEASUREMENT OF EXCEPTIONAL CHILDREN.
 PREREQUISITE: SP. ED. 117, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

80028	LECT-DISC		*8-10	M W F	15	D K H	CLARK
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COURSES FOR GRADUATES

SP ED 417 PSYCHO-EDUCATIONAL PROBLEMS OF EXCEPTIONAL CHILDREN.
 PREREQUISITE: SIXTEEN HOURS OF PSYCHOLOGY AND/OR EDUCATION, OR
 CONSENT OF INSTRUCTOR.
 1 UNIT

80036	LECT-DISC		7-9PM	M	192	EDUC	JORDAN
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SP ED 418 COMMUNICATIVE PROBLEMS OF THE DEAF.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 UNIT

80044	LECT-DISC		3-5	M	385	EDUC	QUIGLEY
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SP ED 420 THE SOCIAL PSYCHOLOGY OF THE HANDICAPPED.
 PREREQUISITE: SP. ED. 117 OR 417, AND ED. PSY. 312, OR CONSENT
 OF INSTRUCTOR.
 1 UNIT

80052	LECT-DISC	B	1-3	W	150	ARMORY	T E NEWLAND
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SP ED 444 REMEDIATION OF LEARNING DISABILITIES.
 PREREQUISITE: SP. ED. 318B AND 419.
 1 UNIT
 *ADDITIONAL LAB HOURS TO BE ARRANGED.

80061	PRACT		*9-11	M W	11	1005 W NEV	CHALFANT
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SP ED 449 INDEPENDENT STUDY.
 PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE
 DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.
 *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL
 CONSENT OF THE DEAN.
 *1/2 OR 1 UNIT
 80079 CONF ARR 210 EDUC STAFF

SP ED 456 PROBLEMS AND TRENDS IN SPECIAL EDUCATION.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1 TO 2 UNITS
 *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 80087 LECT-DISC *6-8PM TU 385 EDUC CLARK

SP ED 459 WORKSHOP IN CURRICULUM DEVELOPMENT.
 1 TO 2 UNITS
 80095 LAB-DISC G ARR COL WOLFE SCHDOL KARNES
 80109 LAB-DISC E 1-3 F 33 EDUC SCHULTZ

SP ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
 OPEN ONLY TO PERSONS WHO HAVE BEEN ADMITTED FOR DOCTORAL STUDY.
 1 TO 2 UNITS
 80117 LECT-DISC A 10-12 TU 382 EDUC SALVIA

SP ED 491 FIELD STUDY AND THESIS SEMINAR.
 LIMITED TO ED.O. CANDIDATES.
 1 TO 2 UNITS
 80125 CONF ARR 210 EDUC STAFF

SP ED 499 THESIS RESEARCH.
 0 TO 4 UNITS
 80133 CONF ARR 210 EDUC STAFF

SPEECH

DEPARTMENT OFFICE

133 L H

MAJOR: TWENTY HOURS IN SPEECH IN ADDITION TO SPCH. 101, 105, AND 141. AT LEAST FIVE OF THE TWENTY HOURS MUST BE IN COURSES NUMBERED 300 OR HIGHER; SPCH. 301 MUST BE INCLUDED. IN DECLARING A MAJOR IN SPEECH THE STUDENT MAY CHOOSE ONE OF THESE AREAS FOR EMPHASIS: GENERAL SPEECH, PUBLIC ADDRESS, INTERPRETATION, THEATRE ART, SPEECH SCIENCE AND PHONETICS, SPEECH CORRECTION AND AUDIOLOGY. THE STUDENT SHOULD REPORT TO 133 LINCOLN HALL TO BE ASSIGNED AN AREA ADVISER WITH WHOM HE MAY CONFER CONCERNING REQUIRED AND RECOMMENDED COURSES.

MINORS: TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY THE COLLEGE. MINOR PROGRAMS OUTSIDE THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY BE ARRANGED WITH THE APPROVAL OF THE STUDENT'S MAJOR ADVISER AND HIS DEPARTMENT HEAD. IF TWO MINOR SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE INCLUDED IN EACH. A MINOR PROGRAM IN ENGLISH MAY NOT INCLUDE MORE THAN THREE HOURS IN LITERATURE COURSES OPEN TO FRESHMEN AND SOPHOMORES AND MAY NOT INCLUDE RHET. 101, 102, 151, 271, AND 272. NO LANGUAGE COURSES MAY SATISFY THE MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THE LANGUAGE DEPARTMENTS.

NOTE: TWO TEACHER-TRAINING CURRICULA ARE OFFERED IN SPEECH. SEE THE CURRICULUM PREPARATORY TO SPEECH CORRECTION WORK AND THE CURRICULUM PREPARATORY TO THE TEACHING OF SPEECH.

LIMITED PARTICIPATION AS A SUBJECT IN LABORATORY OR CLASSROOM EXPERIMENTS MAY BE INCLUDED AS A PARTIAL REQUIREMENT IN 100 AND 200 LEVEL COURSES.

COURSES FOR UNDERGRADUATES

SPCH 101 PRINCIPLES OF EFFECTIVE SPEAKING.

3 HOURS

*SECTION 6F IS RESERVED FOR SUPERIOR STUDENTS INCLUDING JAMES SCHOLARS.

80141	LECT-DISC	A1	8	M W F	130	L H
80150	LECT-DISC	A2	8	M W F	132	L H
80168	LECT-DISC	B1	9	M W F	130	L H
80176	LECT-DISC	B2	9	M W F	132	L H
80184	LECT-DISC	B3	9	M W F	116	L H
80192	LECT-DISC	B4	9	M W F	145	L H
80206	LECT-DISC	B5	9	M W F	242	M E B
80214	LECT-DISC	B6	9	M W F	148	ARMORY
80222	LECT-DISC	C1	10	M W F	108	E B
80231	LECT-DISC	C2	10	M W F	132	L H
80249	LECT-DISC	C3	10	M W F	116	L H
80257	LECT-DISC	C4	10	M W F	145	L H
80265	LECT-DISC	C5	10	M W F	242	M E B
80273	LECT-DISC	C6	10	M W F	207	H G
80281	LECT-DISC	C7	10	M W F	N107	T H
80290	LECT-DISC	D1	11	M W F	130	L H
80303	LECT-DISC	D2	11	M W F	132	L H
80311	LECT-DISC	D3	11	M W F	116	L H
80320	LECT-DISC	D4	11	M W F	145	L H
80338	LECT-DISC	D5	11	M W F	242	M E B
80346	LECT-DISC	X1	12	M W F	130	L H
80354	LECT-DISC	X2	12	M W F	132	L H
80362	LECT-DISC	E1	1	M W F	130	L H
80371	LECT-DISC	E2	1	M W F	132	L H
80389	LECT-DISC	E3	1	M W F	116	L H
80397	LECT-DISC	E4	1	M W F	242	M E B
80575	LECT-DISC	*6F	2	M W F	140	L H
80401	LECT-DISC	F1	2	M W F	145	L H
80419	LECT-DISC	F2	2	M W F	49	L I R
80427	LECT-DISC	F3	2	M W F	242	M E B
80435	LECT-DISC	G1	3	M W F	130	L H
80443	LECT-DISC	G2	3	M W F	116	L H
80451	LECT-DISC	H1	4	M W F	130	L H
80460	LECT-DISC	L1	8-10	TU	130	L H
		L1	8	TH	130	L H
80478	LECT-DISC	L2	8	TU	242	M E B
		L2	8-10	TH	242	M E B
80486	LECT-DISC	L3	8-10	TU	116	L H
		L3	8	TH	116	L H
80494	LECT-DISC	N1	10	TU	130	L H
		N1	9-11	TH	130	L H
80508	LECT-DISC	N2	9-11	TU	242	M E B
		N2	10	TH	242	M E B
80516	LECT-DISC	P1	11-1	TU	130	L H
		P1	11	TH	130	L H
80524	LECT-DISC	P2	11	TU	116	L H
		P2	10-12	TH	116	L H
80532	LECT-DISC	R1	1	TU	130	L H
		R1	12-2	TH	130	L H
80541	LECT-DISC	R2	12-2	TU	132	L H
		R2	1	TH	132	L H
80559	LECT-DISC	S1	2-4	TU	130	L H
		S1	2	TH	130	L H
80567	LECT-DISC	U1	4	TU	130	L H
		U1	3-5	TH	130	L H

SPCH 105 VOICE AND ARTICULATION.

2 HOURS

80583	LECT	I	3	M	100	G H
80591	LECT	Z	10	TU	66	L I B
80605	QUIZ	B	9	W F	140	L H
80613	QUIZ	C	10	W F	140	L H
80621	QUIZ	D	11	W F	140	L H
80630	QUIZ	E	1	W F	140	L H
80648	QUIZ	P	11	TU TH	140	L H
80656	QUIZ	Q	12	TU TH	140	L H
80664	QUIZ	R	1	TU TH	140	L H
80672	QUIZ	S	2	TU TH	140	L H
80681	QUIZ	T	3	TU TH	140	L H

PAOEN
PAOEN

SPCH 107 PARLIAMENTARY PROCEDURE.

2 HOURS

80699	LECT-DISC	P	11	TU TH	255	ARMORY	MURPHY
80702	LECT-DISC	R	1-3	TH	255	ARMORY	BRODRICK

SPCH 109 INTRODUCTION TO PHYSIOLOGICAL PHONETICS.

3 HOURS

80711	LECT-DISC	E	1	M W	145	L H	PADEN
80729	QUIZ	2	10	F	330	I H	
80737	QUIZ	3	11	F	330	I H	
80745	QUIZ	4	1	F	330	I H	

SPCH 111 VERBAL COMMUNICATION.

4 HOURS

80753	LECT		10	TU	304	L H
80761	DISC	A	8	M W F	330	ARMORY
80770	DISC	C	10	M W F	330	ARMORY
80788	DISC	X	12	M W F	330	ARMORY

SPCH 112 VERBAL COMMUNICATION.

PREREQUISITE: SPCH. 111.

4 HOURS

80796	LECT	1	10	TU	L H THEATRE
80800	LECT	2	1	TU	L H THEATRE
80818	DISC	A1	8	M W F	141 A H
80826	DISC	A2	8	M W F	143 A H
80834	DISC	A3	8	M W F	148 ADMIN
80842	DISC	A4	8	M W F	315 G H
80851	DISC	A5	8	M W F	136 M E B
80869	DISC	A6	8	M W F	133 ARMORY
80877	DISC	B1	9	M W F	141 A H
80885	DISC	B2	9	M W F	143 A H
80893	DISC	B3	9	M W F	148 ADMIN
80907	DISC	B4	9	M W F	315 G H
80915	DISC	B5	9	M W F	136 M E B
80923	DISC	B6	9	M W F	154 ARMORY
80931	DISC	C1	10	M W F	141 A H
80940	DISC	C2	10	M W F	143 A H
80958	DISC	C3	10	M W F	148 ADMIN
80966	DISC	C4	10	M W F	315 G H
80974	DISC	C5	10	M W F	136 M E B
80982	DISC	C6	10	M W F	304 G H
80991	DISC	D1	11	M W F	141 A H
81007	DISC	D2	11	M W F	143 A H
81015	DISC	D3	11	M W F	148 ADMIN
81023	DISC	D4	11	M W F	315 G H
81031	DISC	D5	11	M W F	136 M E B
81040	DISC	D6	11	M W F	330 ARMORY
81058	DISC	D7	11	M W F	336 L H
81066	DISC	X1	12	M W F	141 A H
81074	DISC	X2	12	M W F	143 A H
81082	DISC	X3	12	M W F	148 ADMIN
81091	DISC	X4	12	M W F	315 G H
81104	DISC	X5	12	M W F	148 ARMORY
81112	DISC	X6	12	M W F	340 L H
81121	DISC	E1	1	M W F	141 A H
81139	DISC	E2	1	M W F	143 A H
81147	DISC	E3	1	M W F	148 ADMIN
81155	DISC	E4	1	M W F	315 G H
81163	DISC	E5	1	M W F	330 ARMORY
81171	DISC	E6	1	M W F	148 ARMORY
81180	DISC	E7	1	M W F	106 L H
81431	DISC	EF1	2	M W F	141 A H
81198	DISC	F2	2	M W F	143 A H
81201	DISC	F3	2	M W F	148 ADMIN
81210	DISC	F4	2	M W F	315 G H
81228	DISC	F5	2	M W F	136 M E B
81236	DISC	F6	2	M W F	262 ARMORY
81244	DISC	G1	3	M W F	141 A H
81252	DISC	G2	3	M W F	143 A H
81261	DISC	G3	3	M W F	148 ADMIN
81279	DISC	G4	3	M W F	315 G H
81287	DISC	G5	3	M W F	147 ARMORY
81295	DISC	H1	4	M W F	141 A H
81309	DISC	H2	4	M W F	143 A H

SPCH	112	CONTINUED						
	81317	DISC	L1	8	TU	141	A H	
			L1	8-10	TH	141	A H	
	81325	DISC	L2	8-10	TU	315	G H	
			L2	8	TH	315	G H	
	81333	DISC	M1	9-11	TU	136	M E 8	
			M1	9	TH	136	M E 8	
	81341	DISC	N1	9-11	TU	141	A H	
			N1	10	TH	141	A H	
	81350	DISC	N2	10	TU	315	G H	
			N2	9-11	TH	315	G H	
	81368	DISC	P1	11	TU	136	M E 8	
			P1	10-12	TH	136	M E 8	
	81376	DISC	S1	2	TU	148	ADMIN	
			S1	1-3	TH	148	ADMIN	
	81384	DISC	S2	1-3	TU	315	G H	
			S2	2	TH	315	G H	
	81392	DISC	S3	2	TU	136	M E 8	
			S3	2-4	TH	136	M E 8	
	81406	DISC	T1	3	TU	315	G H	
			T1	3-5	TH	315	G H	
	81414	DISC	T2	3-5	TU	148	ADMIN	
			T2	3	TH	148	ADMIN	
	81422	DISC	U1	3-5	TU	136	M E 8	
			U1	4	TH	136	M E 8	

SPCH 113 GROUP DISCUSSION AND CONFERENCE LEADERSHIP.
 PREREQUISITE: SOPHOMORE STANDING. BY PERMISSION OF
 THE HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR
 SUPERIOR STUDENTS, INCLUDING JAMES SCHOLARS.
 3 HOURS

81449	LECT-DISC	C	10	M W F	262	ARMORY
81457	LECT-DISC	O	11	M W F	262	ARMORY
81465	LECT-DISC	N	10-12	TU	49	L R
		N	10	TH	49	L I R

SPCH 121 ADVANCED PUBLIC SPEAKING: THE LOGICAL BASES OF DISCOURSE.
 PREREQUISITE: SPCH. 101, SOPHOMORE STANDING. BY PERMISSION OF THE
 HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR SUPERIOR
 STUDENTS, INCLUDING JAMES SCHOLARS.
 3 HOURS

81473	LECT-DISC	B	9	M W F	255	ARMORY	HAYES
81481	LECT-DISC	C	10	M W F	255	ARMORY	CLARK
81490	LECT-DISC	R	1-3	TU	262	ARMORY	CLARK
		R	1	TH	262	ARMORY	

SPCH 141 ORAL INTERPRETATION.
 3 HOURS
 *SECTION 4 F IS RESERVED FOR SUPERIOR STUDENTS--INCLUDING JAMES
 SCHOLARS.

81503	LECT-DISC	A1	8	M W F	49	L I R
81511	LECT-DISC	B1	9	M W F	49	L I R
81520	LECT-DISC	B2	9	M W F	330	ARMORY
81538	LECT-DISC	C1	10	M W F	400	E H
81546	LECT-DISC	C2	10	M W F	442	M H
81554	LECT-DISC	D1	11	M W F	148	ARMORY
81562	LECT-DISC	X1	12	M W F	255	ARMORY
81571	LECT-DISC	X2	12	M W F	262	ARMORY
81589	LECT-DISC	E1	1	M W F	255	ARMORY
81597	LECT-DISC	E2	1	M W F	262	ARMORY
81660	LECT-DISC	*4F	2	M W F	255	ARMORY
81601	LECT-DISC	G1	3	M W F	255	ARMORY
81619	LECT-DISC	L1	8-10	TU	132	L H
		L1	8	TH	132	L H
81627	LECT-DISC	N1	10	TU	132	L H
		N1	9-11	TH	132	L H
81635	LECT-DISC	P1	11	TU	132	L H
		P1	11-1	TH	132	L H
81643	LECT-DISC	Q1	12	TU	49	L I R
		Q1	11-1	TH	49	L I R
81651	LECT-DISC	Q2	12-2	TU	255	ARMORY
		Q2	12	TH	255	ARMORY

SPCH 142 GROUP ORAL INTERPRETATION OF LITERATURE.
 PREREQUISITE: SPCH. 141 OR CONSENT OF INSTRUCTOR.
 2 HOURS

81678	LECT-DISC	P	11	TU TH	262	ARMORY
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SPCH 157 ELEMENTS OF STAGECRAFT.
SAME AS THEAT. 120.
NOT OPEN TO THEATRE MAJORS.
4 HOURS
81686 LECT-DISC 1-3 TU DRAMA RHRSL KRN BURCH
1-3 TH DRAMA RHRSL KRN

SPCH 161 FUNDAMENTALS OF ACTING.
SAME AS THEAT. 170
3 HOURS
81694 LECT-DISC B 9-11 M 160 ARMORY
B 9 W 160 ARMORY
81708 LECT-DISC C 10 W 160 ARMORY
C 9-11 F 160 ARMORY
81716 LECT-DISC E 1-3 M 160 ARMORY
E 1 W 160 ARMORY
81724 LECT-DISC L 8-10 TU 160 ARMORY
L 9 TH 160 ARMORY
81732 LECT-DISC R 1-3 TU 160 ARMORY
R 1 TH 160 ARMORY

SPCH 177 THE ARTS OF PUBLIC DISCOURSE.
4 HOURS
81741 LECT-DISC E 1 M W F 213 G H DOYLE
81759 DISC 1 9 TU 145 L H
81767 DISC 2 1 TU 145 L H
81775 DISC 3 9 TH 145 L H
81783 DISC 4 1 TH 145 L H

SPCH 178 THE ARTS OF THE THEATRE AND INTERPRETATIVE SPEECH.
4 HOURS
81791 LECT-DISC F 2 M W F L H THEATRE BRADY
81805 DISC 1 10 TU 145 L H
81813 DISC 2 11 TU 145 L H
81821 DISC 3 10 TH 145 L H
81830 DISC 4 11 TH 145 L H

SPCH 198 FRESHMAN SEMINAR.
PREREQUISITE: JAMES SCHOLAR STANDING OR OTHER DESIGNATION AS A
SUPERIOR STUDENT, AND CONSENT OF INSTRUCTOR.
3 HOURS
81848 LECT-DISC EC 10 M W F 1205 W OREGON MUELLER

SPCH 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
81856 CNF A ARR

COURSES FOR ADVANCED UNDERGRADUATES

SPCH 203 DRAMATICS FOR TEACHERS.
3 HOURS
81864 LECT-DISC D 11 M W F 160 ARMORY

SPCH 204 SPEECH FOR TEACHERS.
3 HOURS
81872 LECT-DISC 10 M W F 212 D K H NICHOLSON

SPCH 207 THE ART OF THE SCREEN: HUMOR.
PREREQUISITE: CONSENT OF INSTRUCTOR.
3 HOURS
81881 LECT-DISC 2-4 TU TH 49 L I R MUELLER

SPCH 208 SPEECH AND HEARING PROBLEMS IN THE CLASSROOM.
PREREQUISITE: JUNIOR STANDING.
3 HOURS
81899 LECT-DISC 9 M W F 106 SP CLINIC ERICKSON

SPCH	211	BUSINESS AND PROFESSIONAL SPEAKING. PREREQUISITE: SPCH. 101. 2 HOURS							
	81902	LECT-DISC	L	8	TU TH	262	ARMORY	OLSON	
	81911	LECT-DISC	M	9	TU TH	262	ARMORY	OLSON	
	81929	LECT-DISC	N	10	TU TH	262	ARMORY	OLSON	
SPCH	213	PERSUASION AND THE ARTS. 3 HOURS							
	81937	LECT-DISC		11	M W F	49	L I R	THOMAS	
SPCH	221	ADVANCED PUBLIC SPEAKING: THE PSYCHOLOGICAL BASES OF DISCOURSE. PREREQUISITE: SPCH. 101 AND JUNIOR STANDING. 3 HOURS							
	81945	LECT-DISC		10	M W F	130	L H	NICHOLS	
SPCH	243	ORAL INTERPRETATION OF SHAKESPEARE. PREREQUISITE: SPCH. 141, JUNIOR STANDING. 2 HOURS							
	81953	LECT-DISC		10	TU TH	255	ARMORY	GOLDEN	
SPCH	248	SPEECH CORRECTION METHODS IN THE SCHOOLS. SAME AS EL. ED. 248. PREREQUISITE: SPCH. 388. 3 HOURS							
	81961	LECT-DISC		10-12 3-5	TU TH TH	106 106	SP CLINIC SP CLINIC	JOHNSON	
SPCH	255	FUNDAMENTALS OF PLAY DIRECTING. SAME AS THEAT. 281. PREREQUISITE: SPCH. 161 OR THEAT. 176, AND JUNIOR STANDING. 3 HOURS							
	81970	LECT-DISC	8	9-11	M		STUDIO THTR KRN	ARBENZ	
			8		W		STUDIO THTR KRN		
	81988	LECT-DISC	M	9	TU		STUDIO THTR KRN	AHART	
			M	9-11	TH		STUDIO THTR KRN		
SPCH	263	FUNDAMENTALS OF DRAMATIC WRITING AND STRUCTURE. SAME AS RHET. 263, R. TV. AND THEAT. 280. PREREQUISITE: CONSENT OF INSTRUCTOR. 3 HOURS							
	81996	LECT-DISC		1-3 1	TU TH		CONF ROOM KRN CONF ROOM KRN	AULETTA	
SPCH	291	HONORS COURSE. PREREQUISITE: SENIOR STANDING, A GRADE-POINT AVERAGE OF 4.0 OR CONSENT OF HEAD OF DEPARTMENT. *STUDENTS MAY ACCUMULATE 4 HOURS. *2 HOURS							
	82002	CONF		ARR				STAFF	
SPCH	293	INDIVIDUAL TOPICS. PREREQUISITE: TEN HOURS OF SPEECH, GRADE-POINT AVERAGE OF 3.75, CONSENT OF HEAD OF DEPARTMENT. *STUDENTS MAY ACCUMULATE 4 HOURS. *2 HOURS							
	82011	CONF		ARR				STAFF	
COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES									
SPCH	301	GENERAL PHONETICS. PREREQUISITE: JUNIOR STANDING. 3 HOURS, OR 1/2 OR 1 UNIT							
	82029	LECT-DISC	M	9	TU TH	304	L H	PADEN	
	82037	QUIZ	1	8	W	330	I H		
	82045	QUIZ	2	9	W	330	I H		
	82053	QUIZ	3	10	W	330	I H		
	82061	QUIZ	4	1	W	330	I H		
	82070	QUIZ	5	3	W	330	I H		

SPCH 308	THE ART OF THE SCREEN: EXPOSITION AND PERSUASION. SAME AS COMM. 308. PREREQUISITE: SPCH. 307 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT	82088	LECT-DISC	3 3-5	M W F	49 L I R 49 L I R	MUELLER
SPCH 312	AMERICAN PUBLIC ADDRESS. 3 HOURS, OR 1/2 OR 1 UNIT	82096	LECT-DISC	2	M W F	116 L H	BROADRICK
SPCH 321	THEORIES OF PERSUASION AND RHETORICAL PRACTICE. PREREQUISITE: JUNIOR STANDING OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	82100	LECT-DISC	9	M W F	262 ARMORY	CLARK
SPCH 323	RHETORICAL CRITICISM. PREREQUISITE: CREDIT OR CONCURRENT ENROLLMENT IN SPCH. 311 OR 312 OR 322. 3 HOURS, OR 1/2 OR 1 UNIT	82118	LECT-DISC	2	M W F	130 L H	NICHOLS
SPCH 325	RHETORICAL THEORY IN THE ENGLISH RENAISSANCE. 3 HOURS, OR 1/2 OR 1 UNIT	82126	LECT-DISC	ARR		121 L H	SLOAN
SPCH 342	ORAL INTERPRETATION OF POETRY. PREREQUISITE: SPCH. 141. 3 HOURS, OR 1/2 OR 1 UNIT	82134	LECT-DISC	10	M W F	49 L I R	SLOAN
SPCH 345	CONTEMPORARY APPROACHES TO ORAL INTERPRETATION. PREREQUISITE: SPCH. 141 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT	82142	LECT-DISC	11	M W F	255 ARMORY	
SPCH 352	INTRODUCTION TO MODERN THEATRE ART. SAME AS THEAT. 352. 3 HOURS, OR 1/2 OR 1 UNIT	82151	LECT-DISC	10	M W F	CONF ROOM KRN	AHART
SPCH 362	HISTORY OF THE EUROPEAN THEATRE FROM THE RENAISSANCE TO 1900. SAME AS THEAT. 362. 3 HOURS, OR 1/2 OR 1 UNIT	82169	LECT-DISC	9-11 9	TU TH	CHOS RHRSL KRN CHOS RHRSL KRN	SCOTT
SPCH 363	ADVANCED DRAMATIC WRITING. SAME AS R. TV. 363 AND THEAT. 380. PREREQUISITE: SPCH. 263, CONSENT OF INSTRUCTOR. *STUDENTS MAY ACCUMULATE SIX HOURS OR TWO UNITS. *3 HOURS, OR 1/2 OR 1 UNIT	82177	LECT-DISC	3-6	W	CONF ROOM KRN	AULETTA
SPCH 376	SPEECH SCIENCE, II. SAME AS LING. 376. PREREQUISITE: SPCH. 375 OR CONSENT OF INSTRUCTOR. 3 HOURS OR 1/2 UNIT	82185	LECT-DISC	2	M W F	304 L H	ZEMLIN
SPCH 386	BASIC DIAGNOSTIC AND THERAPEUTIC PRINCIPLES OF SPEECH CORRECTION. PREREQUISITE: SPCH. 385 AND CREDIT OR REGISTRATION IN 388. 3 HOURS OR 1/2 UNIT	82193	LECT-DISC	2-4 2	TU TH	106 SP CLINIC 106 SP CLINIC	SANDERS

SPCH 388	SPEECH CORRECTION. PREREQUISITE: SPCH. 385. 3 HOURS, OR 1/2 OR 1 UNIT		82207	LECT-DISC	8	9	M W F	304	L H	SIMPSON
SPCH 390	COMMUNICATION DISORDERS IN CHILDREN--HABILITATION AND REHABILITATION. PREREQUISITE: SPCH. 383. SENIOR OR GRADUATE STANDING OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT		82215	LECT-DISC	8		MTUWTH	106	SP CLINIC	NASCA
SPCH 393	AURAL REHABILITATION. REQUIRED IN THE CURRICULUM OF TEACHER TRAINING IN SPEECH CORRECTION. PREREQUISITE: SPCH. 391, A GRADE-POINT AVERAGE OF AT LEAST 3.5 AND CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT		82223	LECT-DISC	C	10	M W F	304	L H	NASCA
SPCH 395	AUDIOMETRY. PREREQUISITE: SPCH. 391 OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT *LABORATORY PERIOD TO BE ARRANGED.		82231	LECT-DISC	D	*11	M W F	304	L H	STARK
SPCH 396	DIAGNOSIS OF HEARING IMPAIRMENTS IN INFANTS AND YOUNG CHILDREN. PREREQUISITE: SPCH. 391, 395, OR CONSENT OF INSTRUCTOR. 3 HOURS, OR 1/2 OR 1 UNIT		82240	LECT-DISC		9	M W F	324	I H	STARK
SPCH 398	PRACTICUM IN AUDIOLOGY. PREREQUISITE: SPCH. 393. *STUDENTS MAY REPEAT EITHER SPCH. 387 OR 398, BUT NOT BOTH, FOR 3 CREDIT HOURS. *3 HOURS OR 1/2 UNIT		82258	LECT DISC		9 ARR	TU	106	SP CLINIC	ERICKSON
COURSES FOR GRADUATES										
SPCH 412	THE ROMAN TRADITION IN RHETORIC AND ORATORY. 1 UNIT		82266	LECT-DISC		ARR				NAPEAU
SPCH 430	CONTEMPORARY THEORIES OF ORAL COMMUNICATION. PREREQUISITE: CONSENT OF INSTRUCTOR. 1 UNIT		82274	LECT-DISC		ARR				NEBERGALL
SPCH 436	SEMINAR IN THEORIES AND PROCEDURES OF DISCUSSION. 1 UNIT		82282	LECT-DISC		ARR				MURPHY
SPCH 442	SEMINAR IN ORAL INTERPRETATION. PREREQUISITE: SPCH. 441, CONSENT OF INSTRUCTOR. 1 UNIT		82291	LECT-DISC		7-10PM	M	255	ARMORY	MACLAY
SPCH 452	PROBLEMS IN PLAY PRODUCTION IN THE EDUCATIONAL THEATRE. SAME AS THEAT. 452. 1 UNIT		82304	LECT-DISC		1	M W		CONF ROOM KRA	BEHRINGER

SPCH 463 SEMINAR IN THE HISTORY OF ACTING.
SAME AS THEAT. 463.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
82312 LECT-DISC 10 TU TH CONF ROOM KRAM ARBENZ

SPCH 466 THE AMERICAN THEATRE SINCE 1900.
SAME AS THEAT. 466.
1 UNIT
82321 LECT-DISC 11 M W F CONF ROOM KRAM HEWITT

SPCH 468 SEMINAR IN THEATRE HISTORY.
SAME AS THEAT. 468.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
82339 LECT-DISC 11 TU TH CONF ROOM KRAM WORKS

SPCH 476 EXPERIMENTAL PHONETICS, II.
SAME AS LING. 476.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
82347 LECT-DISC 11 M W F 324 I H DANILOFF

SPCH 481 SEMINAR IN NEUROPATHOLOGIES OF SPEECH AND LANGUAGE.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
THE FOLLOWING TOPICS ARE OFFERED IN ROTATION, ONE OR TWO EACH SEMESTER:
*SECTION A: NEUROLOGICAL ASPECTS.
*SECTION B: APHASIA.
*SECTION C: CEREBRAL PALSY.
82355 LECT-DISC *C 1-230 M W 243 ARMORY SANDERS

SPCH 483 PSYCHOLOGY OF SPEECH AND HEARING DISORDERS, I.
SAME AS PSYCH. 483.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
82363 LECT-DISC 10-12 TU 324 I H DE MARCO
10 TH 324 I H

SPCH 486 ADVANCED CLINICAL TECHNIQUES IN SPEECH AND HEARING.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1/2 TO 4 UNITS
THE FOLLOWING TOPICS ARE OFFERED EACH SEMESTER:
*SECTION A: THEORY OF CLINICAL PRACTICE.
*SECTION B: SPEECH PATHOLOGY.
*SECTION C: AUDIOLOGY.
*SECTION D: LANGUAGE DISORDERS.
*SECTION E: FIELD STUDY.
82371 LECT-DISC *A 9-11 TH 140 L H SANDERS
82380 LECT-DISC *B ARR
82398 LECT-DISC *C ARR
82401 LECT-DISC *D ARR
82410 LECT-DISC *E ARR

SPCH 489 SEMINAR IN OROFACIAL AND LARYNGEAL PATHOLOGIES OF SPEECH.
PREREQUISITE: CONSENT OF INSTRUCTOR.
1 UNIT
THE FOLLOWING TOPICS ARE OFFERED IN ROTATION, EACH SEMESTER:
*SECTION A: CLEFT PALATE.
*SECTION B: ORGANIC VOCAL PROBLEMS.
82428 LECT-DISC *A 7-10PM W 510 E CHALMERS SIMPSON

SPCH 491 SEMINAR IN HEARING DISORDERS.
PREREQUISITE: SPCH. 391.
1 UNIT
THE FOLLOWING TOPICS ARE OFFERED IN ROTATION, ONE OR TWO EACH SEMESTER:
*SECTION A: AUTOMATIC AUDIOMETRY.
*SECTION B: AURAL REHABILITATION.
*SECTION C: HEARING AIDS AND AMPLIFICATION.
82435 LECT-DISC *B ARR 324 I H NASCA

SPCH 495 SPECIAL PROBLEMS.
 PREREQUISITE: CONSENT OF THE HEAD OF THE DEPARTMENT.
 *OPEN TO MASTERS CANDIDATES FOR ONE UNIT, TO DOCTORS CANDIDATES FOR ONE OR TWO UNITS.
 *1 OR 2 UNITS

82444	CONF	A	ARR	STAFF
82452	CONF	B	ARR	STAFF
82461	CONF	C	ARR	LOCKE
82479	CONF	D	ARR	SILVERMAN
82487	CONF	E	ARR	DE MARCO

SPCH 499 THESIS RESEARCH.
 0 TO 4 UNITS
 INSTRUCTORS: BEHRINGER, BROADRICK, BURNS, CLARK, DANILOFF
 HEWITT, INCE, MACLAY, MURPHY, NEBERGALL, NICHOLS
 ONEILL, SCOTT, SHATTUCK, SHRINER, SILVERMAN
 SLOAN, STARK, WENZEL, ZEMLIN

82495	CONF	ARR		
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THEATRE

DEPARTMENT OFFICE

4-122 KRANNERT CENTER

COURSES FOR UNDERGRADUATES

THEAT 100 PRACTICUM, I.
 PREREQUISITE: CONSENT OF INSTRUCTOR FOR NON-THEATRE MAJORS.
 1 TO 3 HOURS
 *FIVE HOURS TO BE ARRANGED.

82509	LAB	D	*2	M		GREAT HALL KRN	KRAFFT
82517	LAB	S	*2		TH	GREAT HALL KRN	KRAFFT

THEAT 101 THEATRE: MODERN FORMS.
 4 HOURS

82525	LECT	1		M	W	GREAT HALL KRN	KRAFFT
		12-2			F	GREAT HALL KRN	KRAFFT

THEAT 102 THEATRE: CONTEMPORARY FORMS.
 PREREQUISITE: THEAT. 101.
 3 HOURS

82533	LECT	11		M	W	F	GREAT HALL KRN	AHART
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THEAT 104 16TH AND 17TH CENTURY FORMS.
 PREREQUISITE: THEAT. 101.
 3 HOURS

82541	LECT	10		M	W	F	DRAMA RHRSL KRN	BEHRINGER
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THEAT 110 RECREATIONAL DRAMATICS.
 PREREQUISITE: SOPHOMORE STANDING.
 3 HOURS

82550	LECT-DISC	10-12		TU	TH	160 ARMORY	BOWER
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THEAT 112 MATERIALS AND PROCESSES: WOODS AND METALS.
 2 HOURS
 *FIVE HOURS TO BE ARRANGED.

82568	LAB-DISC	*9		TU	TH	SCENE SHOP KRN	BRADY
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THEAT 120 ELEMENTS OF STAGECRAFT.
 SAME AS SPCH. 157.
 NOT OPEN TO THEATRE MAJORS.
 4 HOURS

82576	LECT-DISC	1-3		TU		DRAMA RHRSL KRN	BURCH
		1-3			TH	DRAMA RHRSL KRN	

THEAT 121 SCENECRAFT.
OPEN TO STUDENTS IN FINE AND APPLIED ARTS ONLY.
2 HOURS
*FOUR HOURS TO BE ARRANGED.

82584	LECT-DISC	1	*11	TU TH	STUDIO THTR KRN	LLEWELLYN
82592	LECT-DISC	2	*1	M W	STUDIO THTR KRN	LLEWELLYN

THEAT 131 STAGE LIGHTING AND SOUND EFFECTS.
3 HOURS

82606	LECT-DISC	1	10	W	ORCH RHRSL KRN	BRADY
		1	9-11	F	STUDIO THTR KRN	
82614	LECT-DISC	2	12-2	TU	STUDIO THTR KRN	BRADY
		2	1	TH	ORCH RHRSL KRN	

THEAT 140 COSTUME CONSTRUCTION.
2 HOURS
*FOUR HOURS TO BE ARRANGED.

82622	LAB-DISC		*1	TU TH	COSTUME SHP KRN	PAVELIN
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THEAT 141 MAKEUP FOR THE THEATRE, 1.
2 HOURS

82631	LAB-DISC		9-11	TU TH	PLAYHS DRES KRN	FRANKLIN WHITE
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THEAT 170 FUNDAMENTALS OF ACTING.
SAME AS SPCH. 161.
3 HOURS

82649	LECT-DISC	B	9-11	M	160 ARMORY	
		B	9	W	160 ARMORY	
82657	LECT-DISC	C	10	W	160 ARMORY	SCHDRR
		C	9-11	F	160 ARMORY	
82665	LECT-DISC	E	1-3	M	160 ARMORY	
		E	1	W	160 ARMORY	
82673	LECT-DISC	L	8-10	TU	160 ARMORY	LANG
		L	9	TH	160 ARMORY	
82681	LECT-DISC	R	1-3	TU	160 ARMORY	LANG
		R	1	TH	160 ARMORY	

THEAT 172 SPEECH FOR THE STAGE: DIALOGUE.
PREREQUISITE: THEAT. 171.
2 HOURS

82690	LECT-DISC	1	10-12	TU	DRAMA RHRSL KRN	
		1	11	TH	DRAMA RHRSL KRN	
82703	LECT-DISC	2	1-3	TU	GREAT HALL KRN	KRAFFT
		2	1	TH	GREAT HALL KRN	
82711	LECT-DISC	3	9	M	GREAT HALL KRN	
		3	9-11	F	GREAT HALL KRN	

THEAT 175 MOVEMENT FOR THE STAGE: TECHNIQUES.
PREREQUISITE: THEAT. 174.
2 HOURS

82720	LECT-DISC	1	3-5	TU TH	DRAMA RHRSL KRN	FRANKLIN WHITE
82738	LECT-DISC	2	12-2	W F	DRAMA RHRSL KRN	FRANKLIN WHITE

THEAT 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS

82746	CONF		ARR			STAFF
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COURSES FOR ADVANCED UNDERGRADUATES

THEAT 261 ADVANCED ACTING.
PREREQUISITE: THEAT. 170 OR SPCH. 161, OR CONSENT OF INSTRUCTOR.
3 HOURS

82754	LECT-DISC		9	TU	DRAMA RHRSL KRN	AHART
			9-11	TH	DRAMA RHRSL KRN	

THEAT 280 FUNDAMENTALS OF DRAMATIC WRITING AND STRUCTURE.
SAME AS R. TV. 280 AND RHET. AND SPCH. 263.
PREREQUISITE: CONSENT OF INSTRUCTOR.
3 HOURS

82762	LECT-DISC		1-3	TU	CONF ROOM KRN	AULETTA
			1	TH	CONF ROOM KRN	

THEAT 281 DIRECTING, I.
 SAME AS SPCH. 255.
 PREREQUISITE: THEAT. 170 OR 176, AND JUNIOR STANDING.
 3 HOURS

82771	LECT-DISC	B	9-11	M		STUDIO THTR KRN	ARBENZ
		B	9		W	STUDIO THTR KRN	
82789	LECT-DISC	M	9	TU		STUDIO THTR KRN	TYMCHYSHYN
		M	9-11		TH	STUDIO THTR KRN	

THEAT 291 INDIVIDUAL TOPICS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 2 HOURS

82797	CONF		ARR				
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

THEAT 300 PRACTICUM, II.
 PREREQUISITE: FOR NON-THEATRE MAJORS; CONSENT OF INSTRUCTOR.
 *MAY BE REPEATED TO A TOTAL OF 12 HOURS OR 2 UNITS
 *1 TO 3 HOURS, OR 1/4 TO 1/2 UNIT
 *FIVE HOURS TO BE ARRANGED.

82801	LAB	S	*10	M		GREAT HALL KRN	WORKS
82819	LAB	Q	*3	TU		GREAT HALL KRN	

THEAT 351 STYLES OF ACTING FOR PERIOD PLAYS.
 PREREQUISITE: THEAT. 261 OR CONSENT OF INSTRUCTOR.
 3 HOURS OR 1/2 UNIT

82827	LECT-DISC		1-3	M		DRAMA RHRS L KRN	ARBENZ
			2		W	DRAMA RHRS L KRN	

THEAT 352 INTRODUCTION TO MODERN THEATRE ART.
 SAME AS SPCH. 352.
 3 HOURS, OR 1/2 OR 1 UNIT

82835	LECT-DISC		10	M	W F	CONF ROOM KRN	AHART
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THEAT 354 THEATRE FOR THE CHILD AUDIENCE.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT

82843	LECT-DISC		11	M	W F	STUDIO THTR KRN	TYMCHYSHYN
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THEAT 362 HISTORY OF THE EUROPEAN THEATRE FROM THE RENAISSANCE TO 1900.
 SAME AS SPCH. 362.
 3 HOURS, OR 1/2 OR 1 UNIT

92851	LECT-DISC		9-11	TU		CHDS RHRS L KRN	SCOTT
			9		TH	CHDS RHRS L KRN	

THEAT 368 HISTORY OF THEATRE COSTUME.
 PREREQUISITE: THEAT. 361 AND 362, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 1/2 OR 1 UNIT

82860	LECT-DISC		9	M	W F	CONF ROOM KRN	KRAFFT
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THEAT 380 ADVANCED DRAMATIC WRITING.
 SAME AS R. TV. AND SPCH. 363.
 PREREQUISITE: THEAT. 280; CONSENT OF INSTRUCTOR.
 *STUDENTS MAY ACCUMULATE SIX HOURS OR TWO UNITS.
 *3 HOURS, OR 1/2 OR 1 UNIT

82878	LECT-DISC		3-6	W		CONF ROOM KRN	AULETTA
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COURSES FOR GRADUATES

THEAT 452 PROBLEMS IN PLAY PRODUCTION IN THE EDUCATIONAL THEATRE.
 SAME AS SPCH. 452.
 1 UNIT

82886	LECT-DISC		1	M	W	CONF ROOM KRN	BEHRINGER
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THEAT 463 SEMINAR IN THE HISTORY OF ACTING.
 SAME AS SPCH. 463.
 *STUDENTS MAY ACCUMULATE 2 UNITS.
 *1 UNIT

82894	LECT-DISC		10	TU TH		CONF ROOM KRN	ARBENZ
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THEAT 466 THE AMERICAN THEATRE SINCE 1900.
SAME AS SPCH. 466.

1 UNIT
82908 LECT-DISC 11 M W F CONF ROOM KRAN HEWITT

THEAT 468 SEMINAR IN THEATRE HISTORY.
SAME AS SPCH. 468.

*STUDENTS MAY ACCUMULATE 2 UNITS.
*1 UNIT
82916 LECT-DISC 11 TU TH CONF ROOM KRAN WORKS

THEAT 491 SPECIAL PROBLEMS.

1/2 TO 2 UNITS
82924 CONF ARR

THEAT 499 THESIS RESEARCH.

0 TO 2 UNITS
82932 CONF ARR

THEORETICAL AND APPLIED MECHANICS

DEPARTMENT OFFICE

212 T L

COURSES FOR UNDERGRADUATES

T A M 150 ANALYTICAL MECHANICS--STATICS.
PREREQUISITE: PHYCS. 101 OR 106 OR D. G. S. 141 AND REGISTRATION IN MATH. 142 OR 143.

2 HOURS
82941 LECT-DISC L 8 TU TH 105G WOODSHOP
82959 LECT-DISC M 9 TU TH 105G WOODSHOP
82967 LECT-DISC R 1 TU TH 305 T L
82975 LECT-DISC S 2 TU TH 305 T L

T A M 152 ENGINEERING MECHANICS, I--STATICS.
PREREQUISITE: PHYCS. 106 AND REGISTRATION IN MATH. 142 OR 143.

3 HOURS
82983 LECT-DISC C 10 M W F 102 WOODSHOP
82991 LECT-DISC G 3 M W F 102 WOODSHOP

T A M 154 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE: PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR 143.

4 HOURS
83008 LECT-DISC A1 8 MTU THF 105F WOODSHOP
83016 LECT-DISC A2 8 MTU THF 105B WOODSHOP
83024 LECT-DISC B 9 MTU THF 105F WOODSHOP
83032 LECT-DISC C 10 MTU THF 105F WOODSHOP
83041 LECT-DISC D 11 MTU THF 105F WOODSHOP
83059 LECT-DISC E 1 MTU THF 105F WOODSHOP
83067 LECT-DISC F 2 MTU THF 105F WOODSHOP
83075 LECT-DISC G 3 MTU THF 105F WOODSHOP
83083 LECT-DISC H 4 MTU THF 105F WOODSHOP

T A M 156 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE: PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR 143.

5 HOURS
83091 LECT-DISC B 9 MTUWTHF 105B WOODSHOP
83105 LECT-DISC F 2 MTUWTHF 105B WOODSHOP

T A M 171 ELEMENTS OF MECHANICS.
FOR NON-ENGINEERING STUDENTS WHO DO NOT TAKE CALCULUS.
PREREQUISITE: MATH. 122.
3 HOURS

83113	LECT-DISC	A1	8	M W F	105C	WOODSHOP
83121	LECT-DISC	A2	8	M W F	105G	WOODSHOP
83130	LECT-DISC	B1	9	M W F	225A	T L
83148	LECT-DISC	B2	9	M W F	104	WOODSHOP
83156	LECT-DISC	E	1	M W F	104	WOODSHOP
83164	LECT-DISC	G	3	M W F	105C	WOODSHOP
83172	LECT-DISC	H	4	M W F	104	WOODSHOP
83181	LECT-DISC	S	230-4	TU TH	105G	WOODSHOP

T A M 172 STRENGTH OF MATERIALS.
PREREQUISITE: T. A. M. 171.
3 HOURS

83199	LECT-DISC	E	1	M W F	200	T L
83202	LECT-DISC	F	2	M W F	102	WOODSHOP
83211	LECT-DISC	G	3	M W F	306B	T L

T A M 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS

83229 CONF ARR

COURSES FOR ADVANCED UNDERGRADUATES

T A M 211 ANALYTICAL MECHANICS--DYNAMICS.
PREREQUISITE: T. A. M. 150 OR EQUIVALENT. MATH. 142 OR 143.
3 HOURS

83237	LECT-DISC	B	9	M W F	105G	WOODSHOP
83245	LECT-DISC	C	10	M W F	105G	WOODSHOP
83253	LECT-DISC	E	1	M W F	105G	WOODSHOP
83261	LECT-DISC	G	3	M W F	105G	WOODSHOP

T A M 212 ENGINEERING MECHANICS, II--DYNAMICS.
PREREQUISITE: PHYS. 106, T. A. M. 152, MATH. 143.
3 HOURS

83270	LECT-DISC	B	9	M W F	102	WOODSHOP
83288	LECT-DISC	D	11	M W F	102	WOODSHOP
83296	LECT-DISC	E	1	M W F	102	WOODSHOP
83300	LECT-DISC	L	8-920	TU TH	102	WOODSHOP
83318	LECT-DISC	M	930-11	TU TH	102	WOODSHOP

T A M 221 ELEMENTARY MECHANICS OF DEFORMABLE BODIES.
PREREQUISITE: T. A. M. 150 OR EQUIVALENT. MATH. 142 OR 143.
3 HOURS

*FOR HONOR STUDENTS.

83326	LECT-DISC	A1	8	M W F	102	WOODSHOP
83334	LECT-DISC	A2	8	M W F	104	WOODSHOP
83342	LECT-DISC	C1	10	M W F	104	WOODSHOP
83351	LECT-DISC	C2	10	M W F	212	WOODSHOP
83431	LECT-DISC	*6C3	10	M W F	105C	WOODSHOP
83369	LECT-DISC	D1	11	M W F	104	WOODSHOP
83377	LECT-DISC	D2	11	M W F	105B	WOODSHOP
83385	LECT-DISC	E	1	M W F	105B	WOODSHOP
83393	LECT-DISC	F	2	M W F	104	WOODSHOP
83407	LECT-DISC	G	3	M W F	104	WOODSHOP
83415	LECT-DISC	M	930-11	TU TH	306B	T L
83423	LECT-DISC	S	230-4	TU TH	306B	T L

T A M 223 MECHANICAL BEHAVIOR OF SOLIDS.
PREREQUISITE: REGISTRATION IN T. A. M. 221.
1 HOUR

*REGISTRATION IN SECTION E AND SECTION N BY SPECIAL PERMISSION.

83482	LAB	*E	1-3	M	225	T L
83491	LAB	*N	10-12	TH	225	T L
83440	LAB	T1	3-5	TU	236	M E B
83458	LAB	T2	3-5	TU	238	M E B
83466	LAB	T3	3-5	TU	242	M E B
83474	LAB	T4	3-5	TU	244	M E B

T A M 224 BEHAVIOR OF MATERIALS.

PREREQUISITE: T. A. M. 221.

3 HOURS

83504	LECT-DISC	A	8	M W F	225A T L
83512	LECT-DISC	C	10	M W F	225A T L
83521	LECT-DISC	D	11	M W F	225A T L
83539	LECT-DISC	F	2	M W F	225A T L

T A M 235 FLUID MECHANICS.

PREREQUISITE: T. A. M. 211 OR 212.

4 HOURS

83547	LECT-DISC	A	8	M W F	305 T L
	LAB	A	8-10	TH	126 T L
83555	LECT-DISC	B	9	M W F	305 T L
	LAB	B	3-5	TH	126 T L
83563	LECT-DISC	C	10	M W F	305 T L
	LAB	C	10-12	TU	126 T L
83571	LECT-DISC	D	11	M W F	305 T L
	LAB	D	10-12	TH	126 T L
83580	LECT-DISC	E	1	M W F	305 T L
	LAB	E	3-5	TU	126 T L
83598	LECT-DISC	G	3	M W F	305 T L
	LAB	G	1-3	TU	126 T L

T A M 294 SENIOR RESEARCH PROJECT.

PREREQUISITE: T. A. M. 293.

4 HOURS

83601	LECT-DISC	R	1-3	TU TH	225A T L
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T A M 299 THESIS.

PREREQUISITE: SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.

3 HOURS

83610	CONF	ARR
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COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

T A M 311 MECHANICAL VIBRATIONS.

PREREQUISITE: T. A. M. 154 OR 156 OR 211 OR 212 AND 221.

*CREDIT IS NOT GIVEN FOR BOTH C. E. 374 AND T. A. M. 311.

*3 HOURS, OR 1/2 TO 1 UNIT

83628	LECT-DISC	E	1	M W F	306B T L
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T A M 314 ADVANCED DYNAMICS FOR ENGINEERS.

PREREQUISITE: T. A. M. 211 OR EQUIVALENT, MATH. 341 OR 345.

3 HOURS OR 1 UNIT

83636	LECT-DISC	D	11	M W F	306B T L
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T A M 315 ADVANCED DYNAMICS WITH APPLICATIONS TO ENGINEERING PROBLEMS.

PREREQUISITE: T. A. M. 314 OR EQUIVALENT.

3 HOURS OR 1 UNIT

83644	LECT-DISC	A	8	M W F	306B T L
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T A M 321 ADVANCED MECHANICS OF DEFORMABLE BODIES.

PREREQUISITE: T. A. M. 221 AND 223 OR 224.

3 HOURS, OR 1/2 TO 1 UNIT

83652	LECT-DISC	F	2	M W F	306B T L
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T A M 326 EXPERIMENTAL STRESS ANALYSIS.

PREREQUISITE: T. A. M. 150, 211, 212, 221, AND 223 OR 224.

3 HOURS, OR 1/2 TO 1 UNIT

83661	LAB-DISC	N	10-12	TU TH	302C T L
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T A M 334 FLUID MECHANICS AND ADVANCED HYDRAULICS.

PREREQUISITE: T. A. M. 235.

3 HOURS, OR 1/2 TO 1 UNIT

83679	LECT-DISC	C	10	M W F	306B T L
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T A M 335 DYNAMICS OF FLUIDS.

PREREQUISITE: T. A. M. 235.

3 HOURS, OR 3/4 OR 1 UNIT

83687	LECT-DISC	C	10	M W F	105B WOODSHOP
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T A M 346 DIMENSIONAL ANALYSIS AND THEORY OF MODELS.
 3 HOURS, OR 1/2 OR 1 UNIT
 83695 LECT-DISC H 4 M W F 306B T L

T A M 360 CONTINUUM MECHANICS, I.
 PREREQUISITE: T. A. M. 351 OR EQUIVALENT.
 3 HOURS OR 1 UNIT
 83709 LECT-DISC N 10-1130 TU TH 105C WOODSHOP

T A M 373 ENGINEERING ACOUSTICS.
 SAME AS E. E. 373.
 PREREQUISITE: SENIOR STANDING WITH CREDIT IN MATH. 345 OR
 EQUIVALENT, OR CONSENT OF INSTRUCTOR.
 3 HOURS, OR 3/4 TO 1 UNIT
 83717 DISC 01 11 M W F 59 E E B

COURSES FOR GRADUATES

T A M 400 SEMINAR IN ENGINEERING MECHANICS.
 1/4 UNIT
 83725 LECT-DISC ARR

T A M 412 VIBRATION ANALYSIS.
 PREREQUISITE: T. A. M. 311 OR EQUIVALENT.
 1 UNIT
 83733 LECT-DISC R 1-220 TU TH 306B T L JONES

T A M 424 PROPERTIES OF ENGINEERING MATERIALS.
 1/2 OR 1 UNIT
 83741 LECT-DISC L 8-10 TU TH 225A T L CORTEN

T A M 426 STRESS AND DEFORMATION IN ENGINEERING COMPONENTS.
 PREREQUISITE: T. A. M. 321 OR EQUIVALENT.
 1/2 TO 1 UNIT
 83750 LECT-DISC E 1 M W F 225A T L SIDEBOTTOM

T A M 432 THEORY OF FLOW OF VISCOUS FLUIDS.
 PREREQUISITE: AN ELEMENTARY COURSE IN FLUID FLOW AND
 DIFFERENTIAL EQUATIONS.
 1 UNIT
 83768 LECT-DISC L 8-10 TU TH 305 T L ROBERTSON

T A M 442 APPLIED ANALYSIS IN ENGINEERING, II.
 PREREQUISITE: MATH. 143.
 1 UNIT
 83776 LECT-DISC R 1-3 TU TH 105C WOODSHOP COSTELLO

T A M 451 THEORY OF ELASTICITY WITH APPLICATION TO ENGINEERING
 PROBLEMS, I.
 PREREQUISITE: T. A. M. 221, MATH. 343, 341 OR EQUIVALENT.
 1 UNIT
 83784 LECT-DISC N 10-12 TU TH 105B WOODSHOP MILLER

T A M 452 THEORY OF ELASTICITY WITH APPLICATION TO ENGINEERING
 PROBLEMS, II.
 PREREQUISITE: T. A. M. 451.
 1 UNIT
 83792 LECT-DISC D 11 M W F 105C WOODSHOP BORESI

T A M 454 THEORY OF SHELLS.
 PREREQUISITE: T. A. M. 451.
 1 UNIT
 83806 LECT-DISC G 3 M W F 105B WOODSHOP LANGHAAR

T A M 458 WAVE MOTION IN CONTINUOUS MEDIA.
 PREREQUISITE: T. A. M. 311, 314, 451, MATH. 341, 342, 343, OR
 EQUIVALENT.
 1 UNIT
 83814 LECT-DISC E 1 M W F 105C WOODSHOP STIPPES

T A M 462		THEORY OF PLASTICITY.						
		PREREQUISITE: T. A. M. 451 OR EQUIVALENT.						
		1/2 OR 1 UNIT						
83822	LECT-DISC	N	10-1120	TU TH	225A	T L		SIDEBOTTOM
T A M 464		THEORY OF BUCKLING.						
		PREREQUISITE: T. A. M. 416 AND 451.						
		1/2 OR 1 UNIT						
83831	LECT-DISC	F	2	M W F	105C	WOODSHOP		COSTELLO AND LANGHAAR
T A M 467		THERMOMECHANICS IN NUCLEAR REACTOR SYSTEMS.						
		SAME AS NUC. E. 467.						
		PREREQUISITE: NUC. E. 401, OR CONSENT OF INSTRUCTOR.						
		1 UNIT						
83849	LECT-DISC	B	9	M W F	105C	WOODSHOP		BORESI
T A M 472		ADVANCED PHOTOELASTICITY.						
		PREREQUISITE: T. A. M. 326 AND 451 OR CONSENT OF INSTRUCTOR.						
		1 UNIT						
83857	LAB-DISC	L	830-10	TU TH	302C	T L		TAYLOR
T A M 493		ADVANCED INDEPENDENT STUDY--SPECIAL RESEARCH.						
		1/2 TO 2 UNITS						
83865	CONF	A	ARR					BORESI
83873	CONF	B	ARR					BOWMAN
83881	CONF	C	ARR					CLARK
83890	CONF	D	ARR					CORTEN
83903	CONF	E	ARR					JONES
83911	CONF	F	ARR					KESLER
83920	CONF	G	ARR					LANGHAAR
83938	CONF	H	ARR					MORROW
83946	CONF	J	ARR					ROBERTSON
83954	CONF	K	ARR					SIDEBOTTOM
83962	CONF	L	ARR					SINCLAIR
83971	CONF	M	ARR					SMITH
83989	CONF	N	ARR					STIPPES
83997	CONF	O	ARR					TAYLOR
84003	CONF	P	ARR					WORLEY
84011	CONF	Q	ARR					COSTELLO
84020	CONF	R	9	M W F	3068	T L		MILLER
84038	CONF	S	ARR					WETENKAMP
84046	CONF	T	ARR					CARLSON
84054	CONF	U	ARR					GALLAGHER
84062	CONF	X	ARR					STAFF
T A M 499		THESIS RESEARCH.						
		0 TO 4 UNITS						
84071	CONF	A	ARR					BORESI
84089	CONF	B	ARR					BOWMAN
84097	CONF	C	ARR					CLARK
84101	CONF	D	ARR					CORTEN
84119	CONF	E	ARR					JONES
84127	CONF	F	ARR					KESLER
84135	CONF	G	ARR					LANGHAAR
84143	CONF	H	ARR					MORROW
84151	CONF	J	ARR					ROBERTSON
84160	CONF	K	ARR					SIDEBOTTOM
84178	CONF	L	ARR					SINCLAIR
84186	CONF	M	ARR					SMITH
84194	CONF	N	ARR					STIPPES
84208	CONF	D	ARR					TAYLOR
84216	CONF	P	ARR					WORLEY
84224	CONF	Q	ARR					COSTELLO
84232	CONF	R	ARR					MILLER
84241	CONF	S	ARR					WETENKAMP
84259	CONF	T	ARR					CARLSON
84267	CONF	X	ARR					STAFF

UKRAINIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

398 READINGS IN UKRAINIAN LITERATURE.
PREREQUISITE: UKR. 396 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT
84275 LECT-DISC D 11 M W F 261 L H SHTORYN

URBAN PLANNING

DEPARTMENT OFFICE 208 M H

COURSES FOR UNDERGRADUATES

U P 199 UNDERGRADUATE OPEN SEMINAR.
*MAY BE REPEATED.
*0 TO 9 HOURS
SECTION A: PLANNING ORIENTATION--2 HOURS.
SECTION B: SELECTED TOPICS.
84283 CONF A ARR STAFF
84291 CONF B ARR

COURSES FOR ADVANCED UNDERGRADUATES

U P 236 URBAN PLANNING STUDIO, I.
PREREQUISITE: L. A. 131 OR CONSENT OF INSTRUCTOR.
5 HOURS
84305 LAB-DISC 8-12 M W F 30 BEV HALL FREUND
U P 260 SPECIAL PROBLEMS.
PREREQUISITE: CONSENT OF HEAD OF DEPARTMENT.
2 TO 6 HOURS
84313 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

U P 337 URBAN PLANNING STUDIO, II.
PREREQUISITE: U. P. 236 OR CONSENT OF INSTRUCTOR.
6 HOURS, OR 1 TO 1 1/2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.
84321 LAB-DISC *1-6 M W F 30 BEV HALL PATTON
U P 338 URBAN PLANNING STUDIO, III.
PREREQUISITE: U. P. 337 OR CONSENT OF INSTRUCTOR.
6 HOURS, OR 1 TO 1 1/2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.
84330 LAB-DISC *1-6 M W F 30 BEV HALL URBONAS
U P 378 PLANNING LEGISLATION AND ADMINISTRATION.
PREREQUISITE: POL. S. 150, 151 OR 305, 306, OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT
84348 LECT-DISC 1030-12 TU TH 317 G H GOODMAN
U P 380 SURVEY OF REGIONAL PLANNING.
PREREQUISITE: U. P. 171 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT
84356 LECT-DISC 9-1030 TU TH 317 G H KEYES

COURSES FOR GRADUATES

U P 437 ADVANCED URBAN PLANNING STUDIO.
 PREREQUISITE: U. P. 337, 338 AND 374 OR CONSENT OF INSTRUCTOR.
 1 TO 2 UNITS
 *SECTION A: COLLABORATIVE URBAN DESIGN.
 *SECTION B: ENVIRONMENTAL PLANNING.
 *SECTION H: SOCIAL PLANNING.
 *SECTION W: INTERGOVERNMENTAL PLANNING.

84364	LAB-DISC	*A	1-4	MTUWTHF	403A	ARCH	URBONAS
84372	LAB-DISC	*B	1-5	M W F	30	BEV HALL	BLAIR
84381	LAB-DISC	*H	1-5	M W F	30	BEV HALL	HEIFETZ
84399	LAB-DISC	*W	1-5	M W F	30	BEV HALL	WETMORE

U P 487 SEMINAR.
 PREREQUISITE: U. P. 374.
 1/2 UNIT

84402	LECT-DISC		ARR				HEIFETZ
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U P 488 URBAN PLANNING RESEARCH.
 PREREQUISITE: U. P. 171 OR CONSENT OF INSTRUCTOR.
 1/2 TO 2 UNITS

84411	CONF		ARR				STAFF
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U P 492 SEMINAR ON MODELS FOR DIRECTED CHANGE.
 SAME AS SOC. AND SOC. W. 492.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/2 TO 1 UNIT

84429	LECT-DISC	A	1-4	TU	100	1203 W CAL	
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U P 499 THESIS RESEARCH.
 PREREQUISITE: GRADUATE STANDING IN URBAN PLANNING.
 1/2 TO 2 UNITS

84437	CONF		ARR				STAFF
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VETERINARY BIOLOGICAL STRUCTURE

DEPARTMENT OFFICE

335 V M

PROFESSIONAL COURSES

V B S 302 GROSS ANATOMY.
 PREREQUISITE: V. B. S. 300 AND 301 OR CONSENT OF INSTRUCTOR.
 4 HOURS

84445	LAB-DISC		10-12	TU TH	350	V M	ST CLAIR
			2-4	TU TH	350	V M	

V B S 303 MICROSCOPIC ORGANOLOGY.
 PREREQUISITE: V. B. S. 300 AND 301, OR CONSENT OF INSTRUCTOR.
 3 HOURS

84453	LECT		I	TU TH	150	V M	ROMACK
84461	LAB	A	8-10	M W	334	V M	
84470	LAB	B	2-4	M W	334	V M	

V B S 304 APPLIED ANATOMY.
 PREREQUISITE: REGISTRATION IN THE THIRD YEAR OF THE VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
 2 HOURS

84488	LECT-DISC		10	M	136	V M	LOVELL
			1-4	M	350	V M	

V B S 305 DEVELOPMENTAL ANATOMY.
 PREREQUISITE: V. B. S. 300 AND 301, OR CONSENT OF INSTRUCTOR.
 3 HOURS

84496	LECT		I	M W F	150	V M	SAFANIE
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V B S 308 HISTOCHEMISTRY.
 PREREQUISITE: V. B. S. 301 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
 3 OR 5 HOURS
 84500 LECT-DISC ARR NORMANDIN

VETERINARY CLINICAL MEDICINE

DEPARTMENT OFFICE

103 S A C

PROFESSIONAL COURSES

V C M 364 DISEASES OF LARGE ANIMALS.
 PREREQUISITE: THIRD YEAR STANDING IN VETERINARY CURRICULUM.
 5 HOURS
 84518 LECT 8 TUWTH 253 V M BRODIE, HATCH,
 8 ERWIN

V C M 365 SPECIAL VETERINARY SURGERY.
 PREREQUISITE: THIRD YEAR STANDING IN VETERINARY CURRICULUM OR
 CONSENT OF INSTRUCTOR.
 5 HOURS
 84526 LECT 9 TUWTH 136 V M HARDENBROOK
 LAB 1-5 TU TH CL RESEARCH BARN AND STAFF

V C M 366 CLINICAL AND LABORATORY PRACTICE.
 PREREQUISITE: THIRD YEAR STANDING IN VETERINARY CURRICULUM.
 2 HOURS
 84534 LAB 1-4 W F V C S A STAFF

V C M 367 RADIOLOGY.
 PREREQUISITE: FOURTH YEAR STANDING IN VETERINARY CURRICULUM OR
 CONSENT OF INSTRUCTOR.
 2 HOURS
 84542 LECT 10 TU 136 V M SLUSHER
 LAB 10-12 W 334 V M

V C M 372 VETERINARY JURISPRUDENCE AND ETHICS.
 3 HOURS
 84551 LECT-DISC 10 W 150 V M BOLEY, HANNAH
 9 M F 150 V M

V C M 373 SEMINAR.
 PREREQUISITE: FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
 1 HOUR
 84569 DISC 10 F 150 V M BOLEY

V C M 374 CLINICAL AND LABORATORY PRACTICE.
 PREREQUISITE: FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
 8 HOURS
 84577 LECT 11 W F 150 V M STAFF
 84585 LAB A 1-5 MTUWTH V C S A
 A 8-12 S V C S A
 A 11 MTU TH V C S A

V C M 375 REPRODUCTION, OBSTETRICS AND GENITAL DISEASES.
 PREREQUISITE: THIRD YEAR STANDING IN VETERINARY CURRICULUM
 AND V. C. M. 363.
 2 HOURS
 84593 LECT 9 M 136 V M EAGELMAN
 LAB 9-12 F ARR

VETERINARY MEDICAL SCIENCE

DEPARTMENT OFFICE

131 V M

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M S 302 GROSS ANATOMY.									
PREREQUISITE: V. M. S. 300 OR CONSENT OF INSTRUCTOR.									
1 UNIT									
84607	LAB-DISC		10-12	TU TH	350	V M			ST CLAIR
			2-4	TU TH	350	V M			
V M S 303 MICROSCOPIC ORGANOLOGY.									
PREREQUISITE: V. M. S. 300 AND 301, OR CONSENT OF INSTRUCTOR.									
3/4 UNIT									
84615	LECT		1	TU TH	150	V M			ROMACK
84623	LAB	A	8-10	M W	334	V M			
84631	LAB	B	2-4	M W	334	V M			
V M S 305 DEVELOPMENTAL ANATOMY.									
PREREQUISITE: V. M. S. 300 AND 301, OR CONSENT OF INSTRUCTOR.									
3/4 UNIT									
84640	LECT		1	M W F	150	V M			SAFANIE
V M S 307 CORRELATIVE MAMMALIAN NEUROANATOMY.									
PREREQUISITE: V. B. S. 300, ZODL. 232, OR CONSENT OF INSTRUCTOR.									
1 UNIT									
84658	LAB-DISC		ARR						SAFANIE
V M S 308 HISTOCHEMISTRY									
PREREQUISITE: V. B. S. 301 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.									
1/2 OR 1 UNIT									
84666	LECT-DISC		ARR						NORMANDIN
V M S 316 VETERINARY PHYSIOLOGY AND PHARMACOLOGY.									
PREREQUISITE: V. M. S. 315 OR CONSENT OF INSTRUCTOR.									
1 UNIT									
84674	LECT-DISC		9	TU TH	253	V M			JACKSON
			8	F	136	V M			
84682	LAB	A	1-5	TU	266	V M			
84691	LAB	B	1-5	TH	266	V M			
V M S 318 PHARMACOLOGY.									
PREREQUISITE: CREDIT OR REGISTRATION IN V. M. S. 315 AND 316 AND CONSENT OF INSTRUCTOR.									
1 UNIT									
84704	LECT-DISC		1	M W F	253	V M			HUBER, LINK
84712	LAB	A	9-12	F	266	V M			HUBER
84721	LAB	B	2-5	F	266	V M			HUBER
V M S 335 SPECIAL PATHOLOGY.									
PREREQUISITE: V. M. S. 334 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.									
1 UNIT									
84739	LECT		8	M W	136	V M			BEAMER, BYERLY
			10	TH	136	V M			
84747	LAB	A	9-11	M W F	132	V M			
84755	LAB	B	2-4	M W F	132	V M			
V M S 336 HELMINTH PARASITES.									
PREREQUISITE: 20 HOURS IN CHEMISTRY OR ANIMAL BIOLOGY OR BOTH, CONSENT OF INSTRUCTOR.									
3/4 UNIT									
84763	LECT		8	TU TH	136	V M			FITZGERALD
84771	LAB	A	1-4	TU	168	V M			
84780	LAB	B	1-4	TH	168	V M			

V M S 340 INTRODUCTION TO APPLIED STATISTICS.
 SAME AS AG. E., AGRON., AN. S., O. S., F. S., FOR., AND
 HORT. 340.
 PREREQUISITE: MATH. 111 OR 112 OR 104, OR EQUIVALENT.
 4 HOURS OR 3/4 UNIT

84798	LECT		9	TU TH	W109	T H	SEIF
84801	LAB-DISC	1	1-3	M	N107	T H	
84810	LAB-DISC	2	3-5	M	W223	T H	
84828	LAB-DISC	3	1-3	TU	W223	T H	
84836	LAB-DISC	4	3-5	TU	W223	T H	

V M S 374 PROBLEMS IN HUMAN ECOLOGY.
 SAME AS ANTH., GEOG., H. ED., PHYSL., PSYCH., AND SOC. 374.
 PREREQUISITE: ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S. OR ZOOL.
 369.
 4 HOURS OR 1 UNIT
 *ONE DISCUSSION HOUR TO BE ARRANGED.

84844	LECT-DISC	*11	M W F	242	BEV HALL	LEVINE
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V M S 392 SPECIAL PROBLEMS.
 PREREQUISITE: REGISTRATION IN VETERINARY CURRICULUM WITH GRADE
 POINT AVERAGE OF 3.5 OR ABOVE.
 *STUDENTS MAY ACCUMULATE ONE UNIT.
 *1/2 UNIT

84852	LAB	ARR				STAFF
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COURSES FOR GRADUATES

V M S 419 ANIMAL VIROLOGY.
 SAME AS MCBID. 419.
 PREREQUISITE: MCBID. 326 AND 327 OR V. M. S. 331 AND 332;
 CHEM. 350 OR 354; CONSENT OF INSTRUCTOR
 3/4 UNIT

84861	LAB-DISC	ARR				MEYER
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V M S 425 EXPERIMENTAL PARASITOLOGY.
 SAME AS ZOOL. 425.
 PREREQUISITE: A LABORATORY COURSE IN PARASITOLOGY OR PROTOZOLOGY,
 ORGANIC CHEMISTRY, CHEM. 350 AND STATISTICS.
 1 UNIT

84879	LECT-DISC	ARR				FITZGERALD, SILVERMAN
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V M S 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS.
 SAME AS AG. E., AGRON., AN. S., O. S., F. S., FOR.,
 AND HORT. 440.
 PREREQUISITE: V. M. S. 340 OR EQUIVALENT.
 3/4 UNIT

84887	LECT		9	M W	W109	T H	SEIF
84895	LAB-DISC	1	3-5	TH	W223	T H	
84909	LAB-DISC	2	1-3	F	W121	T H	

V M S 455 COMPARATIVE ONCOLOGY.
 REQUIRED OF PATHOLOGY MAJORS IN VETERINARY MEDICAL SCIENCE.
 PREREQUISITE: V. M. S. 445 AND 459 OR EQUIVALENT.
 1 UNIT

84917	LAB	ARR				SIMON
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V M S 459 ADVANCED CORRELATIVE PATHOLOGY.
 PREREQUISITE: V. M. S. 308, 335, 445, 450, OR EQUIVALENT;
 CONSENT OF INSTRUCTOR.
 0 TO 1 1/2 UNITS

84925	LAB-DISC	ARR				SIMON, WATRA
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V M S 461 ADVANCED VETERINARY PHARMACOLOGY.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 3/4 UNIT

84933	LAB-DISC	ARR				LINK
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V M S 463 RADIOISOTOPES IN BIOLOGICAL RESEARCH--PRINCIPLES AND PRACTICE.
 SAME AS AN. S. 463 AND BIOPH 463.
 PREREQUISITE: QUANTITATIVE CHEMISTRY, ONE YEAR OF MATHEMATICS,
 PHYSICS, BIOLOGY AND/OR CONSENT OF INSTRUCTOR.
 3/4 UNIT

84941	LECT		11	M W	253	V M	ANDERSON,
84950	LAB	A	1-5	TU	232	V M	TWARDOK
84968	LAB	B	1-5	W	232	V M	

V M S 490 SEMINAR.
 REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS VETERINARY MEDICAL
 SCIENCE.
 1/4 UNIT

84976	DISC		4	W	136	V M	STAFF
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V M S 492 SPECIAL PROBLEMS.
 PREREQUISITE: CONSENT OF INSTRUCTOR.
 1/4 TO 1 UNIT

84984	LAB		ARR				STAFF
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V M S 499 THESIS RESEARCH.
 0 TO 4 UNITS

84992	LAB		ARR				STAFF
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VETERINARY MEDICINE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M 392 SPECIAL PROBLEMS.
 PREREQUISITE: PROFESSIONAL STANDING IN VETERINARY CURRICULUM AND
 GRADE POINT AVERAGE OF 3.5.
 *STUDENTS MAY ACCUMULATE 6 HOURS, OR 1 UNIT
 *3 HOURS OR 1/2 UNIT

85009	LAB-DISC		ARR				STAFF
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VETERINARY PATHOLOGY AND HYGIENE

DEPARTMENT OFFICE	137 V M
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COURSES FOR ADVANCED UNDERGRADUATES

PROFESSIONAL COURSES

V P H 331 VETERINARY BACTERIOLOGY.
 PREREQUISITE: FIRST YEAR STANDING IN VETERINARY MEDICINE CURRICULUM
 OR CONSENT OF INSTRUCTOR.
 5 HOURS

85017	LECT		11	M W F	136	V M	BRYAN
85025	LAB	A	8-10	M W F	168	V M	KILLINGER, AND
85033	LAB	B	2-4	M W F	168	V M	RHOADES

V P H 335 SPECIAL PATHOLOGY.
PREREQUISITE: SECOND YEAR STANDING IN VETERINARY CURRICULUM OR
CONSENT OF INSTRUCTOR.
5 HOURS

85041	LECT		8	M		136	V M	
			10		TH	136	V M	
			10	TU		150	V M	
85050	LAB	A	9-11	M W F		132	V M	
85068	LAB	B	2-4	M W F		132	V M	

BEAMER, BYERLY

V P H 336 HELMINTH PARASITES.
PREREQUISITE: SECOND YEAR STANDING IN VETERINARY CURRICULUM OR
CONSENT OF INSTRUCTOR.
3 HOURS

85076	LECT		8	TU TH		136	V M	
85084	LAB	A	1-4	TU		168	V M	
85092	LAB	B	1-4	TH		168	V M	

FITZGERALD,
AND TODD

V P H 337 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE: THIRD YEAR STANDING IN PROFESSIONAL CURRICULUM.
NO CREDIT

85106	LECT-DISC		10	TH		150	V M	
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SIMON

V P H 339 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE: V. P. H. 337.
NO CREDIT

85114	LECT-DISC		10	TH		150	V M	
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SIMON

V P H 341 FOOD HYGIENE AND PUBLIC HEALTH.
PREREQUISITE: FOURTH YEAR STANDING IN VETERINARY CURRICULUM OR
CONSENT OF INSTRUCTOR.
5 HOURS

85122	LECT-DISC		8-10	TUWTH		150	V M	
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WOODS, MARTIN,
SCHNURENBERGER
AND MORGAN

VETERINARY PHYSIOLOGY AND PHARMACOLOGY
DEPARTMENT OFFICE 263 V M

COURSES FOR ADVANCED UNDERGRADUATES

PROFESSIONAL COURSES

V P P 316 VETERINARY PHYSIOLOGY AND PHARMACOLOGY.
PREREQUISITE: V. P. P. 315 OR CONSENT OF INSTRUCTOR.
4 HOURS

85131	LECT-DISC		9	TU TH		253	V M	
			8		F	136	V M	
85149	LAB	A	1-5	TU		266	V M	
85157	LAB	B	1-5	TH		266	V M	

JACKSON

V P P 318 PHARMACOLOGY.
PREREQUISITE: SECOND YEAR STANDING IN VETERINARY CURRICULUM OR
CONSENT OF INSTRUCTOR.
4 HOURS

85165	LECT-DISC		1	M W F		253	V M	
85173	LAB	A	9-12		F	266	V M	
85181	LAB	B	2-5		F	266	V M	

HUBER, LINK
HUBER
HUBER

V P P 324 VETERINARY NUTRITION.
PREREQUISITE: THIRD YEAR STANDING IN VETERINARY CURRICULUM OR
CONSENT OF INSTRUCTOR.
FIELD TRIP.
3 HOURS

85190	LECT		11	MTU TH		150	V M	
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LINK

VOCATIONAL AND TECHNICAL EDUCATION
DEPARTMENT OFFICE 347A EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

VOTEC 101 NATURE OF THE TEACHING PROFESSION.									
2 HOURS									
*SECTION G: AGRICULTURE.									
*SECTION L: HOME ECONOMICS.									
85203	LECT-DISC	*G	2			F	28	EDUC	WALKER
		*G	3	M		F	28	EDUC	WALKER
85211	LECT-DISC	*L	10		TU		25	EDUC	STAFF
		*L	10-12			TH	25	EDUC	STAFF
VOTEC 181 INTRODUCTORY WOODWORK.									
4 HOURS									
*SECTION A FOR STUDENTS IN OCCUPATIONAL THERAPY CURRICULUM.									
85220	LECT	*A	2	M	W	F	48A	EDUC	STAFF
	LAB	*A	3-5	M	W	F	48A	EDUC	
VOTEC 182 ADVANCED COURSE IN WOODWORK.									
PREREQUISITE: VOTEC. 181.									
4 HOURS									
85238	LECT		9	M	W	F	48A	EDUC	STAFF
	LAB		10-12	M	W	F	48A	EDUC	
VOTEC 183 GENERAL METALWORK.									
4 HOURS									
85246	LECT	A	1	TU	TH		38	EDUC	STAFF
	LAB	A	2-5	TU	TH		38	EDUC	STAFF
85254	LECT	B	6PM	TU	TH		38	EDUC	STAFF
	LAB	B	7-10PM	TU	TH		38	EDUC	STAFF
VOTEC 188 GENERAL SHOP FOR ELEMENTARY AND SPECIAL EDUCATION TEACHERS.									
3 HOURS									
85262	LECT	A	2	TU	TH		48A	EDUC	STAFF
	LAB	A	3-5	TU	TH		48A	EDUC	
VOTEC 189 INDUSTRIAL PRACTICES.									
PREREQUISITE: SOPHOMORE STANDING, ENROLLMENT IN INDUSTRIAL									
EDUCATION OPTIONS II AND III.									
*STUDENTS MAY ACCUMULATE SEVENTEEN HOURS.									
*2 OR 3 HOURS									
TOTAL ACCUMULATED HOURS TO BE DETERMINED IN CONSULTATION									
WITH ADVISOR.									
85271	PRACT		ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES

VOTEC 240 PRINCIPLES OF VOCATIONAL AND TECHNICAL EDUCATION.									
PREREQUISITE: VOTEC. 101 AND PSYCH. 100.									
2 HOURS									
SECTION E: HOME ECONOMICS EDUCATION.									
*SECTION G: AGRICULTURAL EDUCATION.									
85289	LECT-DISC	*E	2	M	W		25	EDUC	STAFF
	LAB	*E	ARR				22	EDUC	STAFF
85297	LECT-DISC	*G	12	M		F	25	EDUC	TODD
VOTEC 249 INDEPENDENT STUDY.									
PREREQUISITE: UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE									
POINT AVERAGE, CONSENT OF ADVISOR AND STAFF MEMBER WHO SUPERVISES									
THE WORK.									
2 HOURS									
85301	CONF	A	ARR						STAFF
85319	CONF	B	ARR						STAFF
85327	CONF	C	ARR						STAFF
85335	CONF	D	ARR						STAFF

VOTEC 276 STUDENT TEACHING IN VOCATIONAL AGRICULTURE.
 PREREQUISITE: HP. ED. 201 AND VOTEC. 240 OR CONSENT OF INSTRUCTOR
 AND CONCURRENT ENROLLMENT IN VOTEC. 277.
 5 HOURS
 35343 PRACT ARR STAFF

VOTEC 277 PROGRAMS AND PROCEDURES IN AGRICULTURAL EDUCATION.
 PREREQUISITE: HP. ED. 201, AND VOTEC. 240 OR CONSENT OF INSTRUCTOR
 AND CONCURRENT ENROLLMENT IN VOTEC. 275.
 5 HOURS
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 35351 LECT-DISC 8-10 MTWTHF 28 EDUC HEMP
 35360 LAB 1 10 M WTHF 28 EDUC HEMP
 1 1-5 W 28 EDUC HEMP
 35373 LAB 2 11 MTW F 28 EDUC HEMP
 2 1-5 W 28 EDUC HEMP

VOTEC 278 VOCATIONAL EDUCATION IN HOME ECONOMICS FOR ADULTS.
 PREREQUISITE: SENIOR STANDING, REGISTRATION IN SE. ED. 241 AND
 ED. PR. 242.
 3 HOURS
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 *TWO HOURS TO BE ARRANGED.
 35385 LECT-DISC 9 MTWTHF 25 EDUC SPITZE
 LAB *ARR 22 EDUC

VOTEC 280 GENERAL DRAFTING.
 PREREQUISITE: G. E. 101 AND ARCH. 141.
 3 HOURS
 WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
 35394 LECT 9 M W F 33 EDUC TINKHAM
 LAB 10 M W F 33 EDUC

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

VOTEC 349 SPECIAL STUDY AND INVESTIGATION IN VOCATIONAL AND
 TECHNICAL EDUCATION.
 PREREQUISITE: CONSENT OF INSTRUCTOR; DEMONSTRATED ABILITY TO
 PURSUE SPECIAL STUDY OR INVESTIGATION PROPOSED.
 2 TO 4 HOURS, OR 1/2 TO 1 UNIT
 *SECTION A IS FOR AGRICULTURAL EDUCATION.
 *SECTION B IS FOR BUSINESS EDUCATION.
 *SECTION C IS FOR HOME ECONOMICS.
 *SECTION D IS FOR INDUSTRIAL EDUCATION.
 35403 CONF *A ARR STAFF
 35416 CONF *B ARR STAFF
 35424 CONF *C ARR STAFF
 35432 CONF *D ARR STAFF

VOTEC 381 PRINCIPLES OF VOCATIONAL EDUCATION.
 3 HOURS, OR 1/2 OR 1 UNIT
 35441 LECT-DISC 7-930PM TH 33 EDUC STAFF

VOTEC 382 COOPERATIVE VOCATIONAL AND TECHNICAL EDUCATION PROGRAMS.
 2 TO 4 HOURS, OR 1/2 TO 1 UNIT
 35459 LECT-DISC 7-9PM TU 33 EDUC MAHAFFEY

VOTEC 383 DEVELOPMENT, ORGANIZATION, AND PRINCIPLES OF INDUSTRIAL
 EDUCATION.
 3 HOURS, OR 1/2 OR 1 UNIT
 35467 LECT-DISC 7-930PM TU 162 EDUC STAFF

VOTEC 387 TRAINING PROGRAMS IN INDUSTRY.
 PREREQUISITE: JUNIOR STANDING IN INDUSTRIAL EDUCATION OR CONSENT
 OF INSTRUCTOR.
 4 HOURS OR 1 UNIT
 35475 LECT-DISC 630-9PM W 51 E ARMORY BALOWIN

VOTEC 388 SPECIAL TECHNIQUES OF TEACHING VOCATIONAL INDUSTRIAL SUBJECTS.
 PREREQUISITE: JUNIOR STANDING AND TEN HOURS OF UNDERGRADUATE CREDIT
 IN APPROPRIATE VOCATIONAL AND TECHNICAL EDUCATION COURSES.
 4 HOURS OR 1 UNIT
 35483 LECT-DISC 7-930PM W 28 EDUC STAFF

COURSES FOR GRADUATES

VOTEC 442 JUNIOR COLLEGE.

1 UNIT

85491 LECT-DISC 7-9PM TU 25 EDUC ANDERSON

VOTEC 449 INDEPENDENT STUDY.

PREREQUISITE: APPROVAL OF STUDY OUTLINE BY ADVISER AND THE DEPARTMENT CHAIRMAN PRIOR TO ENROLLMENT.
 *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.

*1/2 OR 1 UNIT

*SECTION A: AGRICULTURE.

*SECTION B: BUSINESS.

*SECTION C: HOME ECONOMICS.

*SECTION D: INDUSTRIAL EDUCATION.

85505	CONF	A	ARR	STAFF
85513	CONF	B	ARR	STAFF
85521	CONF	C	ARR	STAFF
85530	CONF	D	ARR	STAFF

VOTEC 453 PROBLEMS IN HOME ECONOMICS EDUCATION.

1 UNIT

85548 LECT-DISC 7-9PM W 25 EDUC E SIMPSON

VOTEC 471 POLICY AND PROGRAM DEVELOPMENT FOR EDUCATION IN AGRICULTURE.

PREREQUISITE: VOTEC. 276 AND 277. OPEN TO SCHOOL ADMINISTRATORS AND EXTENSION EDUCATORS WITHOUT PREREQUISITES.

1/2 UNIT

85556 LECT-DISC 430-630 TU 28 EDUC PHIPPS AND WALKER

VOTEC 472 COURSE PLANNING AND TEACHING PROCEDURES IN AGRICULTURAL ACTIONS PROGRAM.

PREREQUISITE: VOTEC. 276 AND 277 OR CONSENT OF INSTRUCTOR.

1/2 UNIT

85564 LECT-DISC 430-630 M 28 EDUC WALKER

VOTEC 488 CURRICULUM PROBLEMS AND TRENDS IN INDUSTRIAL EDUCATION.

PREREQUISITE: UNDERGRADUATE WORK IN VOCATIONAL AND TECHNICAL EDUCATION.

1 UNIT

85572 LECT-DISC 7-930PM W 33 EDUC STAFF

VOTEC 489 ADMINISTRATION AND SUPERVISION OF VOCATIONAL AND TECHNICAL EDUCATION.

PREREQUISITE: CONSENT OF INSTRUCTOR.

1 UNIT

85581 LECT-DISC 7-930PM TH 192 EDUC EVANS & STAFF

VOTEC 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.

OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.

1 TO 2 UNITS

*SECTION A: AGRICULTURE.

*SECTION C: HOME ECONOMICS.

*SECTION D: INDUSTRIAL EDUCATION.

85599	CONF	*A	ARR	STAFF
85602	CONF	*C	ARR	STAFF
85611	CONF	*D	ARR	STAFF

VOTEC 491 FIELD STUDY AND THESIS SEMINAR.

LIMITED TO ED.D. CANDIDATES.

1 TO 2 UNITS

*SECTION A: AGRICULTURAL EDUCATION.

*SECTION C: HOME ECONOMICS.

*SECTION D: INDUSTRIAL EDUCATION.

85629	CONF	*A	ARR	STAFF
85637	CONF	*C	ARR	STAFF
85645	CONF	*D	ARR	STAFF

VOTEC 499 THESIS RESEARCH.

0 TO 4 UNITS

*SECTION A: AGRICULTURE.

*SECTION C: HOME ECONOMICS.

*SECTION D: INDUSTRIAL EDUCATION.

85653	CONF	*A	ARR
85661	CONF	*C	ARR
85670	CONF	*D	ARR

STAFF
STAFF
STAFF

ZOOLOGY

DEPARTMENT OFFICE

287 MORRILL HALL

MAJOR: BIOL. 110 AND 111 AND TWENTY HOURS IN ZOOLOGY, EXCLUDING ZOOLOG. 101, 104, 106, 107, BIOL. 110, 111, 151, D G S 131 AND 132, AND BIOL. 101 AND 102 AT CHICAGO UNDERGRADUATE DIVISION. STUDENTS WHO HAVE CREDIT IN ZOOLOG. 104 MUST TAKE BOTANY 100 TO SATISFY THE ELEMENTARY SEQUENCE REQUIREMENT. AT LEAST ONE COURSE MUST BE TAKEN IN EACH OF THE FOLLOWING AREA-GROUPS OF COURSES: GENETICS AND DEVELOPMENT (ZOOLOG. 333, BIOL. 210, 211); CELLULAR AND PHYSIOLOGICAL ZOOLOGY (ZOOLOG. 312, 334, BIOL. 307, PHYSYL. 301 AND 302 OR PHYSYL. 303 AND 304); ECOLOGY AND BEHAVIOR (ZOOLOG. 340, 342, 343, 345, 346, 369, BIOL. 310); MORPHOLOGY AND SYSTEMATICS (ZOOLOG. 232, 304, 318, 320, 321, 335).
BIOL. 203, 204, 251, 351, AND ALL 200-, 300-, AND 400-LEVEL ZOOLOGY COURSES, EVEN IF NOT INCLUDED IN THE PRECEDING AREA LISTS, AUTOMATICALLY COUNT TOWARD THE TWENTY HOURS. ALSO REQUIRED ARE ONE YEAR OF PHYSICS, AT LEAST 3 SEMESTERS OF CHEMISTRY INCLUDING ORGANIC, AND MATHEMATICS THROUGH ANALYTIC GEOMETRY WITH CALCULUS HIGHLY RECOMMENDED. ALSO HIGHLY RECOMMENDED IS ONE COURSE IN GENERAL BOTANY, MICROBIOLOGY, OR GEOLOGY.

MINORS: TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN: ANIMAL SCIENCE (TO BE CHOSEN FROM COURSES 100, 110, 230, 305 OR 330) ANTHROPOLOGY, BOTANY, CHEMISTRY, EDUCATION, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, MATHEMATICS, MICROBIOLOGY, PHYSICS, PHYSIOLOGY, AND PSYCHOLOGY.

COURSES FOR UNDERGRADUATES

NOTE: BIOL. 110-111 OR BIOL. 151-251 OR EQUIVALENT IS THE GENERAL BIOLOGICAL PREREQUISITE FOR MOST 200 AND 300 LEVEL COURSES. AN APPROVED GENERAL EDUCATION SEQUENCE IN BIOLOGY WILL GENERALLY BE CONSIDERED AN EQUIVALENT.

ZOOLOG 104 ELEMENTARY ZOOLOGY.

4 HOURS

85688	LECT	A	9	TU TH	112	G H
85696	LECT	B	3	TU TH	112	G H
85700	LECT	C	2	M W	314	A H
85718	LAB-DISC	1	8-10	M	338	N H B
		1	8	F	338	N H B
85726	LAB-DISC	2	8-10	M	418	N H B
		2	8	F	418	N H B
85734	LAB-DISC	3	10-12	M	338	N H B
		3	10	F	338	N H B
85742	LAB-DISC	4	10-12	M	418	N H B
		4	10	F	418	N H B
85751	LAB-DISC	5	1-3	M	338	N H B
		5	1	F	338	N H B
85769	LAB-DISC	6	1-3	M	418	N H B
		6	1	F	418	N H B
85777	LAB-DISC	7	3-5	M	338	N H B
		7	3	F	338	N H B
85785	LAB-DISC	8	3-5	M	418	N H B
		8	3	F	418	N H B
85793	LAB-DISC	9	8-10	TU	338	N H B
		9	8	TH	415	N H B

MARSH, SAYLER

ZOOL	104	CONTINUED									
	85807	LAB-DISC	10	8-10	TU	418	N H B				
			10	9	TH	415	N H B				
	85815	LAB-DISC	11	10-12	TU	338	N H B				
			11	10	TH	415	N H B				
	85823	LAB-DISC	12	10-12	TU	418	N H B				
			12	11	TH	415	N H B				
	85831	LAB-DISC	13	1-3	TU	338	N H B				
			13	1	TH	415	N H B				
	85840	LAB-DISC	14	1-3	TU	418	N H B				
			14	2	TH	415	N H B				
	85858	LAB-DISC	15	3-5	TU	338	N H B				
			15	3	TH	415	N H B				
	85866	LAB-DISC	16	3-5	TU	418	N H B				
			16	4	TH	415	N H B				
	85874	LAB-DISC	17	8-10	W	338	N H B				
			17	9	F	338	N H B				
	85882	LAB-DISC	18	8-10	W	418	N H B				
			18	9	F	418	N H B				
	85891	LAB-DISC	19	10-12	W	338	N H B				
			19	11	F	338	N H B				
	85904	LAB-DISC	20	10-12	W	418	N H B				
			20	11	F	418	N H B				
	85912	LAB-DISC	21	10-12	W	415	N H B				
			21	10	M	415	N H B				
	85921	LAB-DISC	22	1-3	W	338	N H B				
			22	2	F	338	N H B				
	85939	LAB-DISC	23	1-3	W	418	N H B				
			23	2	F	418	N H B				
	85947	LAB-DISC	24	1-3	W	415	N H B				
			24	1	F	415	N H B				
	85955	LAB-DISC	25	3-5	W	338	N H B				
			25	4	F	338	N H B				
	85963	LAB-DISC	26	3-5	W	418	N H B				
			26	4	F	418	N H B				
	85971	LAB-DISC	27	8-10	TH	338	N H B				
			27	8	TU	415	N H B				
	85980	LAB-DISC	28	8-10	TH	418	N H B				
			28	9	TU	415	N H B				
	85998	LAB-DISC	29	10-12	TH	338	N H B				
			29	10	TU	415	N H B				
	86004	LAB-DISC	30	10-12	TH	418	N H B				
			30	11	TU	415	N H B				
	86012	LAB-DISC	31	1-3	TH	338	N H B				
			31	1	TU	415	N H B				
	86021	LAB-DISC	32	1-3	TH	418	N H B				
			32	2	TU	418	N H B				
	86039	LAB-DISC	33	3-5	TH	338	N H B				
			33	3	TU	415	N H B				
	86047	LAB-DISC	34	3-5	TH	418	N H B				
			34	4	TU	415	N H B				

ZOOL 107 EVOLUTION.
 PREREQUISITE: SOPHOMORE STANDING.
 3 HOURS
 86055 DISC 9 M W F 151 E E B KITZMILLER

ZOOL 199 UNDERGRADUATE OPEN SEMINAR.
 *MAY BE REPEATED.
 *0 TO 9 HOURS
 SECTIONS A, B, AND C TOPIC: EXTINCT AND ENDANGERED SPECIES.
 87093 CONF A 7-9PM TU 332 MOR HALL
 87107 CONF B 7-9PM W 532 MOR HALL
 87115 CONF C 7-9PM TH 532 MOR HALL

COURSES FOR ADVANCED UNDERGRADUATES

ZOOL 232 COMPARATIVE VERTEBRATE ANATOMY.
 PREREQUISITE: BIOL. 110-111 OR BIOL. 151-251 OR EQUIVALENT.
 5 HOURS
 86063 LECT 1 M W F 202 H H
 86071 LAB-DISC A 8-10 M W F 330 N H B
 86080 LAB-DISC B 11-1 M W F 330 N H B
 86098 LAB-DISC C 3-5 M W F 330 N H B

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

- ZOOL 300 GENERAL SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS BUT ALSO OPEN TO SENIORS WHOSE MAJOR IS ZOOLOGY.
NO CREDIT
86101 DISC 5 M 228 N H B
ATTENTION IS ALSO CALLED TO THE FOLLOWING SPECIAL CLUBS AND SEMINARS: ANIMAL ECOLOGY CLUB. 5 PM W, 302 VIVARIUM.
GENETICS SEMINAR--INTERDEPARTMENTAL. 4 PM, FIRST AND THIRD MONDAYS, 341 A S L.
ENDOCRINOLOGY SEMINAR--INTERDEPARTMENTAL. FOR TOPICS, TIME, AND PLACE, SEE UNIVERSITY CALENDAR.
PROTOZOOLOGY-PARASITOLOGY SEMINAR. SECOND TUESDAYS, 7.30 P M. 167 VET MED.
FOR DETAILS, SEE UNIVERSITY CALENDAR.
- ZOOL 303 INDIVIDUAL TOPICS.
PREREQUISITE: TWO YEARS OF ZOOLOGY, SENIOR STANDING, APPROVAL OF DEPARTMENT.
2 TO 5 HOURS, OR 1/2 OR 1 UNIT
86110 CONF &A ARR STAFF
- ZOOL 312 ENDOCRINOLOGY.
SAME AS PHYSL. 312.
PREREQUISITE: PHYSL. 301 OR A COURSE IN BIOCHEMISTRY; CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT
86128 LECT 9 M W F 202 H H GORSKI
- ZOOL 313 EXPERIMENTAL ENDOCRINOLOGY.
SAME AS PHYSL. 313.
PREREQUISITE: CREDIT OR REGISTRATION IN PHYSL. OR ZOOL. 312; CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT
86136 LAB 8-11 TU TH 422 BUR HALL GORSKI
- ZOOL 320 INVERTEBRATE ZOOLOGY.
PREREQUISITE: BIOL. 110-111 OR BIOL. 151-251 OR EQUIVALENT.
5 HOURS OR 1 UNIT
86144 LECT 10 M W F 140 BUR HALL SWEENEY
86152 LAB A 1-4 M W 208 N L
86161 LAB B 9-12 TU TH 208 N L
86179 LAB C 1-4 TU TH 208 N L
- ZOOL 330 PRACTICAL MICROTECHNIQUE.
PREREQUISITE: HISTOLOGY OR EMBRYOLOGY AND CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT
86187 LAB-DISC 2-5 TU TH 323 N H B ALGER
- ZOOL 333 VERTEBRATE EMBRYOLOGY.
PREREQUISITE: BIOL. 111 OR 251, OR EQUIVALENT.
5 HOURS OR 1 UNIT
86195 LECT 3 TU 228 N H B WATTERSON
3-5 TH 228 N H B
86209 LAB-DISC A 8-10 M W F 318 N H B
86217 LAB-DISC B 10-12 M W F 318 N H B
86225 LAB-DISC C 1-3 M W F 318 N H B
86233 LAB-DISC D 3-5 M W F 318 N H B
86241 LAB-DISC E 9-12 TU TH 318 N H B
- ZOOL 335 ORNITHOLOGY.
PREREQUISITE: BIOL. 110-111 OR BIOL. 151-251 OR EQUIVALENT.
FIELD TRIPS.
3 HOURS OR 1/2 UNIT
86250 LECT 11 TU TH 140 BEV HALL KENDEIGH
86268 LAB-DISC A 8-11 W 302 VIVARIUM
86276 LAB-DISC B 8-11 TH 302 VIVARIUM
86284 LAB-DISC C 8-11 S 302 VIVARIUM

ZOOL	337	ICHTHYOLOGY. PREREQUISITE: ZOOL. 232. 3 HOURS OR 1/2 UNIT FIELD WORK TO BE ARRANGED.								
	86292	LECT LAB	8 8-12	M F	W F	102B VIVARIUM 102B VIVARIUM			SHOEMAKER	
ZOOL	340	NATURAL HISTORY OF THE VERTEBRATES. PREREQUISITE: BIOL. 110-111 OR BIOL. 151-251 OR EQUIVALENT; CONSENT OF INSTRUCTOR. 5 HOURS OR 1 UNIT								
	86306	LECT LAB	2 8-12	M F	W F	302 VIVARIUM 102B VIVARIUM				
	86314	LAB-DISC A	3-5	M		102B VIVARIUM				
	86322	LAB-DISC B	3-5	W		102B VIVARIUM			WILLSON	
ZOOL	341	FIELD ECOLOGY. PREREQUISITE: CREDIT OR REGISTRATION IN ONE OF THE FOLLOWING: ZOOL. 304, 335, 336, 337, 338, 340, 345, AND CONSENT OF INSTRUCTOR. *STUDENTS MAY ACCUMULATE 3 HOURS. *1 HOUR OR 1/4 UNIT								
	86331	LAB	ARR						SHOEMAKER	
ZOOL	343	LIMNOLOGY. PREREQUISITE: BIOL. 110 AND 111 OR BIOL. 151 AND 251, OR EQUIVALENT--SENIOR STANDING OR CONSENT OF INSTRUCTOR. 5 HOURS OR 1 UNIT								
	86349	LECT	1	TU TH		321 N H B			MATTESON	
	86357	LAB A	8-11	TU TH		420 N H B				
	86365	LAB B	2-5	TU TH		420 N H B				
ZOOL	352	VIRUSES, II. SAME AS BOT. AND MCBIO. 352. PREREQUISITE: BOT./MCBIO./ZOOL. 351 OR CONSENT OF INSTRUCTOR; BIOCHEMISTRY AND CALCULUS RECOMMENDED. 3 HOURS OR 3/4 UNIT								
	86473	LECT	9	M	W F	140 BUR HALL			BLACK, REICHMAN	

COURSES FOR GRADUATES

ZOOL	402	MOLECULAR GENETICS. SAME AS BOT. AND MCBIO. 402. PREREQUISITE: MCBIO. 330 OR EQUIVALENT. 3/4 UNIT								
	86381	LECT	10	M	W F	231 N H B			HERSHBERGER	
ZOOL	406	PHYSIOLOGY OF REPRODUCTION SAME AS AN. S. 406. 1 UNIT								
	86390	LAB-DISC	1-3	TU TH		135 A S L			NALBANDOV	
ZOOL	407	EVOLUTIONARY THEORY. PREREQUISITE: ONE COURSE IN GENETICS AND CONSENT OF INSTRUCTOR. 1 UNIT								
	86403	LECT-DISC	11	TU TH		229 N H B				
ZOOL	408	LABORATORY METHODS IN PHYSIOLOGY OF REPRODUCTION. SAME AS AN. S. 408. PREREQUISITE: CONSENT OF INSTRUCTOR. 1/2 TO 1 UNIT								
	86411	LAB	ARR						OZIUK AND NALBANDOV	
ZOOL	412	ADVANCED ENDOCRINOLOGY SAME AS AN. S., D. S., AND PHYSL. 412. PREREQUISITE: PHYSL. OR ZOOL. 312; CONSENT OF INSTRUCTOR. *STUDENTS MAY ACCUMULATE 2 UNITS. *1/2 UNIT TOPIC - REGULATORY MECHANISMS IN ANIMAL CELLS.								
	86420	DISC	730-10PM	M		140 BUR HALL			GORSKI, OZIUK FOSTER, JACKSON NALBANDOV	

ZOOL 418	ADVANCED PROTOZOOLOGY.					
	PREREQUISITE: ZOOL. 318 OR EQUIVALENT.					
	FIELD TRIPS.					
	1 UNIT					
86438	DISC	ARR				SMALL
ZOOL 420	EXPERIMENTAL INVERTEBRATE ZOOLOGY.					
	PREREQUISITE: CONSENT OF INSTRUCTOR, AND ZOOL. 320 OR EQUIVALENT.					
	1 UNIT					
86446	LECT-DISC	ARR				SWEENEY
ZOOL 422	ADVANCED PARASITOLOGY.					
	PREREQUISITE: ZOOL. 321 OR EQUIVALENT.					
	1 UNIT					
86454	LECT	8	TU TH	ARR		KRUIDENIER
	LAB	9-11	TU TH	ARR		
ZOOL 424	INVERTEBRATE TAXONOMY.					
	PREREQUISITE: ZOOL. 304.					
	1 UNIT					
86462	CONF	ARR				MATTESON
ZOOL 433	TOPICS IN DEVELOPMENTAL BIOLOGY.					
	PREREQUISITE: ZOOL. 367.					
	*MAXIMUM CREDIT FOR MASTERS CANDIDATES ONE UNIT, DOCTORAL					
	CANDIDATES THREE UNITS.					
	*1/4 UNIT					
	INSTRUCTORS: BROWN, DAVENPORT, NANNEY, STOCUM, WATTERSON.					
86471	DISC	ARR				
ZOOL 444	CONCEPTS IN ETHOLOGY.					
	PREREQUISITE: ZOOL. 346.					
	1/2 UNIT					
86489	DISC	ARR				HIRSCH
ZOOL 446	PHYSIOLOGICAL ECOLOGY.					
	1 UNIT					
86497	LECT	4	M W F	302	VIVARIUM	KENDEIGH, GETZ
	LAB	8-12	S	201	VIVARIUM	
ZOOL 451	ADVANCED CELLULAR PHYSIOLOGY.					
	SAME AS PHYSL. 451.					
	PREREQUISITE: CONSENT OF INSTRUCTOR.					
	1/2 UNIT					
	TOPIC: CATION TRANSPORT.					
86501	DISC	730-930PM	TH	501	BUR HALL	WILLIS
ZOOL 467	EXPERIMENTAL EMBRYOLOGY.					
	PREREQUISITE: ZOOL. 367.					
	1 UNIT					
86519	LAB-DISC	1-5	W F	326	N H 8	STOCUM AND WATTERSON
ZOOL 490	INDIVIDUAL RESEARCH.					
	FOR MASTERS DEGREE CANDIDATES WHO ELECT TO WRITE A RESEARCH					
	REPORT RATHER THAN A THESIS.					
	PREREQUISITE: CONSENT OF ADVISER.					
	*NO MORE THAN 3 UNITS MAY BE INCLUDED IN THE MASTERS DEGREE					
	PROGRAM.					
	*1/2 TO 3 UNITS					
86527	CONF	ARR				STAFF

ZOOL 499 THESIS RESEARCH.

0 TO 4 UNITS

ANATOMY, PHYSIOLOGY, PHYLOGENY AND GENERAL CLASSIFICATION OF VERTEBRATES:

VERTEBRATE ANATOMY

FUNCTIONAL ANATOMY

VERTEBRATE PHYSIOLOGY

ANATOMY, PHYSIOLOGY, PHYLOGENY AND GENERAL CLASSIFICATION OF INVERTEBRATES:

HELMINTHOLOGY

INVERTEBRATE ZOOLOGY

INVERTEBRATE PHYSIOLOGY

PARASITOLOGY

PROTOZOOLOGY

EMBRYOLOGY AND BASIC KNOWLEDGE OF CELLS AND TISSUES:

CYTOLOGY

DEVELOPMENTAL BIOLOGY

EMBRYOLOGY AND REGENERATION

TOXICOLOGY

ULTRASTRUCTURE

ECOLOGY, PRINCIPLES OF TAXONOMY, NATURAL HISTORY:

ECOLOGY

ETHOLOGY

HERPETOLOGY

ICHTHYOLOGY

LIMNOLOGY

MAMMALOLOGY

ORNITHOLOGY

TAXONOMY

WILDLIFE

GENETICS AND EVOLUTION:

GENETICS

EVOLUTIONARY THEORY

FRAZZETTA

PROSSER, HEATH

KRUIDENIER, SILVERMAN, LEVINE

MATTESON, SWEENEY

PROSSER, SWEENEY

KRUIDENIER, SILVERMAN, ALGER

SMALL, LEVINE

DAVENPORT

WHITT

DAVENPORT, WATTERSON, STOCUM

INGLE

HALL

KENDEIGH, WILLSON,

GHENT, GETZ

BANKS, HIRSCH, SALMON

SHOEMAKER, P SMITH

MATTESON, BENNETT

HOFFMEISTER, LEE, LELAND

KENDEIGH

EADES, H SMITH

KENDEIGH, SHOEMAKER,

SANDERSON

KITZMILLER, NANNEY, BROWN,

FRAZZETTA

86535

CONF

ARR

STAFF

TRIAL REGISTRATION FORM

Date.....

Middle

First

Last

Local

Local Address.....

College.....

Curriculum.....

Class.....

Telephone.....

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TRIAL REGISTRATION FORM

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